

A. L. A. List of Subject Headings

SECOND EDITION











LIST OF

SUBJECT HEADINGS

FOR USE IN

DICTIONARY CATALOGS

PREPARED BY A COMMITTEE

OF THE

AMERICAN LIBRARY ASSOCIATION

SECOND EDITION, REVISED

WITH AN APPENDIX

CONTAINING HINTS ON SUBJECT CATALOGING AND SCHEMES FOR SUBHEADS
UNDER COUNTRIES AND OTHER SUBJECTS

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PREFACE.

THIS List of subject headings has been prepared for the cataloger and is to be considered as an appendix to Cutter's Rules for a dictionary catalog, ed. 3, sections 99 to 120.

Every compiler of a dictionary catalog finds two great difficulties: 1st, the choice between synonymous or related headings; 2d, the making of the necessary cross-references. The best catalogs show great diversity of usage and it has often been suggested that, by a collation of these catalogs, a list of subject headings might be made which would simplify the work of the cataloger and lead to more uniformity. At the Lakewood conference of the American Library Association a committee for this purpose was appointed. At the Chicago conference the committee reported progress and the Publishing Section was instructed to proceed with publication as soon as possible. At the Lake Placid conference the committee reported completion of the work, and it is now submitted to the members of the A. L. A and other librarians for approval. The catalogs on which the list is based are those of the Boston Athenæum, Peabody Institute and Cleveland Public Library, the American catalog, and the Harvard Subject index.

Of course no such list can be complete, nor is this intended to be so. It is limited to the headings most often needed in the small or medium sized public library. The following classes of headings have been omitted:

- 1. Personal names.
- 2. Geographical headings, such as names of countries, places, languages, literatures, etc. [See Library journal, 18:C79-80, for treatment of these.*]
- 3. Technical and scientific names, unless there are equivalent common names and for purposes of cross-reference.
 - 4. Animals and plants and chemical and medicinal substances.
- 5. Books and other parts of the Bible. These should be entered as subheads under Bible, with reference from their names.
- 6. The following special classes: Names of months, days, processes in arithmetic, parts of speech, virtues and vices, diseases, headings beginning with numbers (as Eighteenth century).
- 7. Other *specific* headings where there seemed to be no doubt as to name or references, as most games, foods, etc.

It is thought that the list is sufficiently full for ordinary use. The headings for any new subject can be settled by the application of the rules given

*See also Appendix G.

below and by the analogies of headings already in the list. For full discussion of principles the cataloger is referred to Cutter's Rules. Any cataloger having to deal with unusual books will consult special catalogs or reference books, such as the Surgeon-General's Catalog, Soule's Lawyers' reference manual, Bouvier's Law dictionary, M'Clintock and Strong's Cyclopædia, etc.

The general principle of decision is that the heading shall be that under which it is supposed that the majority of educated Americans will look, with cross-references from other forms of heading.

In carrying out this principle the following rules have been followed so far as possible:

- 1. Use common names instead of technical, English instead of foreign; but not if the common or English name is ambiguous or of ill-defined extent.
- 2. Use singular rather than plural except where subjects are only thought of under the plural.
- 3. Use headings most generally found in the leading catalogs. Usage, however, is changing; Moral philosophy, for example, is now almost universally called Ethics.
- 4. Put compound names under the first word unless some other is more significant (Agricultural botany, rather than Botany, agricultural; but History, ancient, rather than Ancient history).*

In order that all the books on a subject may be brought together in the catalog, cross-references must be liberally supplied. For this reason the list of "see-alsos" is especially full.

Particular attention is called to the "refer-froms." These are the "see-alsos" reversed and group under each heading the references that should be made from other subjects. Of course these references are not to be made unless the book cataloged actually illustrates the subject from which reference is made. They are suggestions rather than directions, and do not relieve the cataloger from using his judgment.

It has not always been thought necessary to include in the list obvious "refer-from" references where the headings stand side-by-side in the alphabetical arrangement. For example, from Agriculture to Agricultural botany, pests, etc.

It will of course be understood that where the reference is simply "See," no subject entries are to be made under the heading referred from.

One column is left blank for additions. The cataloger is advised to check headings and references as used and to add new headings required. If he wishes to use a different form of heading, it will be necessary to make the change wherever the heading occurs in the list, otherwise discrepancies will creep into the catalog. By this method a complete list of all the subject headings and references in the catalog will be at hand without reference to the catalog itself.

^{*} Minority report. C. A. Cutter prefers Ancient art, Ancient geography, Ancient history; Classical antiquities, Classical art, Classical biography, Classical geography, Classical history; as he would prefer Medieval antiquities, Medieval art, Medieval geography, and Medieval history, if in that case the substantive Middle ages were not better.

In this he follows the principle of *concrete cataloging*, which brings together what relates to a thing, a country, a period, rather than all works belonging to a class or form, such as Geography, History.

PREFACE

Unless the library is quite small, personal and geographical headings should be kept on slips as a supplementary list.

When there is a great accumulation of entries under a heading, it is well to subdivide. The Boston Athenæum and Peabody Institute catalogs furnish good models for such subdivision. [See also Appendix.]

We do not expect that this List of subject headings will be considered final or escape criticism. If, however, the general scheme of the work receives the approval of librarians, it forms a basis upon which a revised edition can more easily be prepared. We shall be satisfied with our labors if the result is found useful to catalogers, especially to beginners.

GARDNER M. JONES, G. E. WIRE, M.D., LL.B., C. A. CUTTER,

Committee.

SALEM, MASS., July 22, 1895

PREFACE TO SECOND EDITION.

In the present edition a few errors have been corrected, and changes and additions have been made in accordance with suggestions of catalogers. The small number of criticisms, either of the general plan or of particular headings, indicates that the work has met the approval of its users. The number of changes in headings is 192, many of which are merely alterations in spelling or compounding of words to conform to the Century dictionary, the standard adopted by the Publishing Section. The work having now been stereotyped, further changes are not to be expected for many years. Special thanks for suggestions are due to Miss Esther Crawford, head cataloger of the Dayton (Ohio) Public Library, and J. C. Hansen, head cataloger of the Library of Congress. Dr. G. E. Wire, formerly in charge of the medical department of the Newberry Library, and a member of the original committee, has revised the medical headings.

The special feature of this edition is the appendix, which contains hints on subject cataloging, and schemes for subdivision of countries, cities, the Bible, Shakespeare, and languages, these being headings under which many entries are likely to accumulate. The more extended schemes are needed only by large libraries. Most libraries should begin with the briefer schemes, making additional subheads as the library increases in size. Thanks are due the Boston Public Library and the New York State Library School for permission to reprint those to which their names are attached.

GARDNER M. JONES, C. A. CUTTER, EDITH D. FULLER,

Committee.

SALEM, MASS., May 24, 1898.

LIST OF SUBJECT HEADINGS

FOR USE IN

DICTIONARY CATALOGS

Abbeys. See also Cathedrals; Convents;

Refer from Catholic church; Church architecture; Church history; Convents; Monasteries; Nunneries.

Abbreviations. See also Cipher: Shorthand.
Refer from Manuscripts; Shorthand;
Writing.

Abdomen. See also Intestines; Kidneys; Liver; Stomach; Viscera.

Refer from Anatomy; Viscera.

Abolition of slavery. See Abolitionists; Slavery.

Abolitionists.

Refer from Abolition of slavery; Biography; Slavery.

Abscess. See also Suppuration.

Refer from Pathology; Suppuration.

Absolution. See also Confession; Penance.

Refer from Church polity; Confession; Penance; Sin.

Abstinence. See Fasting; Starvation; Temperance.

Academies (learned societies). See Societies.

Academies (schools).

Refer from Schools.

Accent. See also Prosody.

Refer from Language; Prosody.

Accidence. See Grammar.

Accident insurance. See Insurance.

Accidents. See also Bruises; Burns and scalds; Collisions; Drowning; Explosions; Life-saving; Poisons; Shipwrecks; Surgery.

Refer from Disasters; Drowning; Emergencies; Injuries; Life-saving; Medicine; Nurses and nursing; Surgery.

Accounts. See Arithmetic; Bookkeeping. Accumulators. See Storage batteries.

Acids.

Refer from Chemistry.

Acknowledgments.

Refer from Law.

Acoustics. See Sound.

Acrobats.

Refer from Sports.

Acrostics.

Refer from Puzzles.

Acting. See also Actors; Actresses; Amateur theatricals; Drama; Expression; Pantomime; Theatre.

Refer from Actors; Actresses; Amateur theatricals; Amusements; Drama; Histrionics; Stage; Theatre.

Actions at law. See also Costs; Equity; Evidence; Forms (in law); Injunctions; Pleading; Trials.

Refer from Equity; Forms (in law); Law; Pleading; Procedure; Suits at law; Trials.

Actors. See also Acting; Actresses; Theatre.

Refer from Acting; Actresses; Biography; Drama; Players; Theatre.

Actresses. See also Acting; Actors; Theatre.

Refer from Acting; Actors; Biography; Drama; Players; Theatre; Woman.

Adages. See Maxims; Proverbs.

Addresses. See Orations.

Administration. See Political science.

Administrators and executors. See also Wills.

Refer from Guardians; Law; Property;

Admirals. See also Naval biography.

Refer from Biography; Naval biography.

Admiralty. See also Commercial law; Maritime law.

Refer from Commercial law; Law; Maritime law.

Adoption. See also Guardians.

Refer from Children; Foundlings; Guardians; Law; Orphans.

Adulterations. See also Drugs; Food.

Refer from Analysis of food; Chemistry; Commerce; Drugs; Food; Hygiene, public.

Adultery.

Refer from Criminal law; Marriage.

Advent. See also Second advent.

Refer from Fasts and feasts.

Adventure. See also Discoveries; Escapes; Explorers; Heroes; Shipwrecks; Voyages and travels.

Refer from Escapes; Heroes.

Adventurers. See Imposture.

Adversity. See Affliction.

Advertising. See also Signboards.

Refer from Business; Commerce; Periodicals.

Aerial navigation. See also Flight.

Refer from Aeronautics; Air; Air-ships; Balloons; Engineering; Flight; Flyingmachines; Locomotion; Mechanics; Navigation.

Aerolites. See Meteors.

Aeronautics. See Aerial navigation.

Aesthetics. See Esthetics.

Affidavits.

Refer from Forms (in law); Law.

Affliction. See also Consolation.

Refer from Adversity; Ethics; Suffering.

African colonization. See also Liberia, and the names of African colonization societies.

Refer from Colonization; Negroes; Slavery.

Age. See also Longevity; Old age.

Refer from Old age.

Agents. See also Attorneys.

Refer from Attorneys; Brokers; Commercial law; Factors; Partnership.

Agnosticism. See also Atheism; Positivism; Skepticism.

Refer from Atheism; Faith; Free thought; Philosophy; Skepticism; Theology.

Agreements. See Contracts.

Agricultural botany.

Refer from Botany.

Agricultural chemistry. See also Fertilizers; Manures; Soils.

Refer from Chemistry; Fertilizers; Manures; Soils.

Agricultural colleges. See also Agricultural education.

Refer from Agricultural education; Colleges and universities.

Agricultural education. See also Agricultural colleges.

Refer from Agricultural colleges; Education.

Agricultural exhibitions.

Refer from Exhibitions.

Agricultural machinery. See also Agricultural tools.

Refer from Agricultural tools; Machinery.

Agricultural pests. See also Caterpillars; Fungi; Insects; Weeds.

Refer from Gardening; Insects; Pests.

Agricultural societies.

Refer from Societies.

Agricultural tools. See also Agricultural machinery.

Refer from Agricultural machinery; Tools.

Agriculture. See also Barns; Bees; Botany;
Butter; Cattle; Cheese; Coffee; Corn
laws; Cotton; Cow; Dairy; Domestic
animals; Domestic economy; Drainage;
Ensilage; Fertilizers; Flax; Floriculture; Forestry; Fruit; Gardening;
Grain; Grangers; Grape; Grass; Greenhouses; Hog; Horse; Irrigation;
Land; Landscape gardening; Maize;
Manures; Milk; Ox; Peasantry; Poultry; Sheep; Soils; Stables; Sugar;
Tobacco; Trees; Vegetables; Wheat;
Wool; and headings beginning Agricultural.

Refer from Arts, useful; Botany; Country life; Farming; Fruit; Gardening; Husbandry; Land; Market gardening; Planting; Plants; Rural economy.

Ague. See Malarial fever.

Air. See also Aerial navigation; Barometer; Compressed air; Meteorology; Ventilation.

Refer from Atmosphere; Chemistry; Meteorology; Physics.

Air-engine.

Refer from Engines.

Air-pump.

Refer from Philosophical instruments; Pumps.

Air-ships. See Aerial navigation.

Albigenses. See also Waldenses.

Refer from Church history; Waldenses.

Alchemy. See also Chemistry.

Refer from Chemistry; Gold; Hermetic art; Metals; Occult sciences; Superstition; Transmutation of metals.

Alcohol. See also Brewing; Distillation; Liquors; Temperance.

Refer from Chemistry; Distillation; Food; Liquors; Stimulants and narcotics; Temperance; Wine.

Alcoran. See Koran.

Ale. See also Beer; Brewing. Refer from Beer; Liquors.

Algae.

Refer from Botany; Cryptogams; Marine plants; Mosses; Ocean; Sea mosses; Seashore; Seaweeds.

Algebra. See also Equations; Mathematics; Numbers.

Refer from Analysis, mathematical; Equations; Mathematics.

Aliens. See also Allegiance; Citizenship; Naturalization.

Refer from Allegiance; International law; Law.

Alkalies.

Refer from Chemistry.

Allegiance. See also Aliens; Citizenship; Naturalization.

Refer from Aliens; Citizenship; International law; Law.

Allegories. See also Parables.

Refer from Fiction; Parables; Religion.

Allegory.

Refer from Rhetoric.

Allopathy. [For polemical treatises only.] See also Homeopathy.

Refer from Homeopathy; Medicine.

Alloys. See also Amalgamation.

Refer from Amalgamation; Metals.

Almanacs. See also Chronology; Nautical almanacs; Year-books.

Refer from Annuals; Astronomy; Calendars; Registers; Statistics; Time; Year-books.

Almsgiving. See Charity; Poor.

Almshouses. See also Charities; Poor.

Refer from Charities; Poor; Poorhouses; Workhouses.

Alphabet. See also Alphabets; Cuneiform writing; Hieroglyphics; Inscriptions; Printing; Writing.

Refer from Inscriptions; Language; Letters (of the alphabet); Phonetics; Writing.

Alphabets. See also Illumination; Monograms.

Refer from Alphabet; Decoration and ornament; Illumination (of mss. and books); Lettering; Monograms; Ornamental alphabets; Painting, mechanical; Penmanship; Sign painting.

Alpine clubs. See also Geographical societies; Mountaineering.

Refer from Geographical societies; Mountaineering; Mountains.

Alpine plants.

Refer from Botany; Mountains.

Alpine zoology.

Refer from Mountains; Zoology.

Altars. See also Lord's supper; Mass. Refer from Church furniture.

Alternating currents. See Electric currents.

Amalgamation. See also Alloys; Mercury. Refer from Alloys; Metals.

Amateur operas.

Refer from Amusements; Opera.

Amateur theatricals. See also Acting; Charades; Pantomime; Shadow pantomimes; Tableaux.

Refer from Acting; Amusements; Charades; Drama; Private theatricals; Tableaux; Theatre.

Amazons.

Refer from Woman.

Ambassadors. See also Diplomacy.

Refer from Diplomacy; International law; Ministers (of state).

Ambulances.

Refer from Carriages; Military surgery; Vehicles.

American aborigines. See Indians.

American loyalists. See also U. S., History, Revolution.

Refer from Biography; Loyalists, American; Tories, American; U. S., History, Revolution.

American party.

Refer from Know-nothings; Parties; U. S., Politics.

American revolution. See U. S., History, Revolution.

Americanisms.

Refer from Dialects; English language; Slang.

Ammunition. See also Firearms; Gunpowder; Projectiles.

Refer from Firearms; Gun; Military art and science; Ordnance.

Amphibia. See Batrachia.

Amphitheatres. See also Gladiators.

Refer from Architecture.

Amphorae. See Vases.

Amputation.

Refer from Military surgery; Naval surgery; Surgery.

Amulets.

Refer from Archaeology; Charms; Superstition; Talismans.

Amusements. See also Acting; Amateur operas; Amateur theatricals; Ballet; Balls; Camping; Cards; Charades; Circus; Coaching; Concerts; Conjuring; Dancing; Dolls; Enigmas; Fairs; Fencing; Festivals; Fortune telling; Games; Masquerades; Music; Opera; Palmistry; Pantomime; Puzzles; Riddles; Sports; Tableaux; Theatre; Toys; Ventriloquism.

Refer from Entertainments; Ethics; Games; Recreation; Sports.

Ana. See Anecdotes.

Anabaptists. See Baptists.

Anagrams.

Refer from Literature.

Analysis. See Assaying; Blowpipe; Chemistry; Spectrum; also name of substance analyzed.

Analysis, mathematical. See Algebra; Calculus.

Analysis of food. See Adulterations; Food. Analytical geometry. See Geometry.

Anarchy. See also Nihilism.

Refer from Nihilism; Political science.

Anatomy. See also Abdomen; Anatomy for artists; Anthropometry; Arteries; Autopsy; Bones; Brain; Breast; Dissection; Ear; Eye; Foot; Hand; Head; Heart; Histology; Intestines; Joints; Liver; Lungs; Mouth; Nerves; Nervous system; Nose; Physiology; Skull; Spine; Stomach; Surgery; Teeth; Throat; Veins; Vivisection.

Refer from Biology; Body, human; Dissection; Histology; Human body; Man; Medicine; Morphology; Physiology; Surgery; Zoology.

Anatomy for artists. See also Expression; Figure painting.

Refer from Anatomy; Artistic anatomy; Artists; Arts, fine; Drawing; Expression; Figure painting; Human figure; Painting; Sculpture.

Ancestor-worship. See also Confucianism. Refer from Parents; Worship.

Ancestry. See Genealogy; Heredity.

Anchors.

Refer from Ships.

Ancien régime. See France, History.

Ancient art, geography, history, etc. See Art, Geography, History, etc., under which subdivisions may be made if necessary.

Anecdotes. See also Table-talk.

Refer from Ana; Biography; Literature; Table-talk; Wit and humor.

Aneroid barometer. See also Barometer.

Refer from Barometer.

Anesthetics. See also Chloroform; Ether.
Refer from Chloroform; Ether; Medicine;
Pain; Surgery; Therapeutics.

Angels. See also Demonology.

Refer from Bible; Heaven; Theology.

Angling. See Fishing.

Aniline colors. See also Dyeing.

Refer from Chemistry; Coal; Coal tar colors; Color; Dyeing.

Animal coloration. See Color of animals.

Animal electricity.

Refer from Electricity; Zoology.

Animal food. See also Cannibalism; Meat; Vegetarianism.

Refer from Food; Meat; Vegetarianism. Animal heat.

Refer from Heat; Temperature; Zoology.

Animal kingdom. See Zoology.

Animal locomotion. See also Birds; Flight; Running; Walking; Wings.

Refer from Birds; Flight; Locomotion; Zoology

Animal magnetism. See also Clairvoyance; Hypnotism; Mind-reading; Second sight.

Refer from Clairvoyance; Hypnotism; Magnetism; Medicine; Mental suggestion; Mesmerism; Mind and body; Mind-cure; Mind-reading; Physiology; Psychology; Sleep; Spiritualism; Suggestion, mental; Therapeutics.

Animal psychology. See also Instinct.

Refer from Instinct; Intellect; Intelligence of animals; Psychology; Reason; Soul; Zoology.

Animalcules. See also Microscope.

Refer from Zoology.

Animals. See Domestic animals; Hunting; Zoology; also headings beginning with Animal. Animals, legends and stories of. See also Bestiaries; Fables.

Refer from Legends; Mythology; Zoological mythology.

Animals, training of. See also Domestica-

Refer from Domestication; Training.

Animals, treatment of. See also Viviscotion.

Refer from Brutes; Cruelty; Ethics; Kindness to animals.

Animals, worship of. See also Serpentworship.

Refer from Mythology; Worship; Zoological mythology.

Annals. See Chronology; History.

Annealing. See also Glass; Iron.

Refer from Metals.

Annihilation. See also Future life.

Refer from Future life; Theology.

Annuals. [Enter here only the old-fashioned gift-books.] See also Almanacs; Year-books.

Refer from Year-books.

Annuals (plants).

Refer from Floriculture.

Annuities.

Refer from Insurance; Investments; Probabilities.

Anonyms.

Refer from Authors; Bibliography.

Antarctic regions.

Refer from Arctic regions; Earth; Polar regions; Voyages and travels.

Anthems. See also Chants; Church music; Hymns.

Refer from Chants; Church music; Music; Songs.

Anthropology. See Civilization; Ethnology; Language; Man; Woman.

Anthropometry.

Refer from Anatomy; Man.

Antichrist.

Refer from Jesus Christ; Theology.

Antinomianism.

Refer from Calvinism; Congregationalism; Massachusetts, Church history; Theology.

Antiquarian societies.

Refer from Historical societies.

Antiquities. See Archaeology; also under names of countries, etc.

Antiseptics. See also Disinfection.

Refer from Disinfection; Medicine; Surgery; Therapeutics.

Antislavery. See Slavery.

Apartment houses.

Refer from Architecture, domestic; Flats; Hotels.

Apes. See also Gorilla; Monkeys.

Refer from Mammals; Monkeys; Zoology.

Aphorisms. See Epigrams; Maxims; Proverbs; Quotations; Table-talk.

Apiculture. See Bees.

Apocalypse. See Bible.

Apocrypha. See Bible.

Apocryphal gospels, etc. See also Apostles' creed; Apostolic constitutions.

Refer from Apostles' creed; Bible; Fathers of the church.

Apologetics. See Christianity.

Apoplexy.

Refer from Brain; Medicine, practice of; Paralysis.

Apostles. See also Bible.

Refer from Bible; Christian biography; Church history; Evangelists; Jesus Christ; Theology.

Apostles' creed. See also Apocryphal gospels.

Refer from Apocryphal gospels; Church of England; Creeds; Protestant episcopal church in the U. S.

Apostolic church. See Church history.

Apostolic constitutions.

Refer from Apocryphal gospels, etc.; Church law; Fathers of the church; Theology.

Apostolic fathers. See also Fathers of the church.

Refer from Christian biography; Church history; Fathers of the church.

Apostolic succession. See also Bishops; Episcopacy; Popes.

Refer from Bishops; Church history; Church of England; Church polity; Episcopacy; Popes; Protestant episcopal church in the U. S.; Theology.

Apothecaries. See also Pharmacy.

Refer from Biography; Pharmacy

Apothegms. See Epigrams; Maxims; Proverbs; Quotations; Table-talk.

Apparatus. See Instruments.

Apparitions. See also Demonology; Ghosts; Spiritualism.

Refer from Delusions; Demonology;

Dreams; Ghosts; Hallucinations; Illusions; Phantoms; Psychology; Spectres; Spirits; Spiritualism; Supernatural; Superstition; Visions.

Appeal.

Refer from Law.

Apprentices.

Refer from Boys; Economics; Labor; Master and servant.

Aquarium.

Refer from Fish; Marine zoology; Natural history; Zoology.

Aquatic animals. See Marine zoology.

Aqueducts.

Refer from Canals; Engineering; Hydraulic engineering; Water-supply.

Arabesque.

Refer from Decoration and ornament.

Arbitration, industrial.

Refer from Commercial law; Labor; Strikes and lockouts.

Arbitration, international.

Refer from International law.

Arbor-day. See also Forestry.

Refer from Forestry; Holidays; Trees.

Arboriculture. See Forestry; Fruit.

Arc lamps. See Electric lamps.

Archaeology. See also Amulets; Architecture; Arms and armor; Arrow-heads; Arts, fine; Baths and bathing; Bells; Bible; Brasses; Bronze age; Bronzes; Burial; Castles; Catacombs; Caves; Cemeteries; Chariots; Christian art; Church antiquities; Civilization; Classical antiquities; Cliff-dwellings; Coffins; Coins and medals; Costume; Epitaphs; Ethnology; Folk-lore; Fountains; Gems; Glass; Heraldry; History; Indians; Inscriptions; Lake-dwellings; Man; Manners and customs; Marriage; Middle ages; Monuments; Mound-builders; Mounds; Mummies; Mythology; Obelisks; Pageants; Painting; Pottery; Pyramids; Sculpture; Seals; Shellmounds; Signboards; Stone age; Sundials; Temples; Tombs; also names of countries, sub-head Antiquities.

Refer from Antiquities; Architecture; Arts, fine; Civilization; Classical antiquities; Ethnology; Excavations; History; History, ancient; Man; Manners and customs; Monuments; Mythology; Prehistoric archaeology; Ruins. Archbishops. See also Bishops; Christian biography.

Refer from Bishops; Catholic church; Christian biography; Church of England; Episcopacy.

Archery.

Refer from Arrows; Games; Shooting; Sports.

Arches. See also Arches of triumph; Vaulting.

Refer from Architecture; Bridges; Engineering; Masonry; Roofs; Vaulting; Voussoir arches.

Arches of triumph.

Refer from Arches; Architecture; Monuments; Triumphal arches.

Architects.

Refer from Architecture; Artists; Biography.

Architectural drawing.

Refer from Architecture; Drawing; Mechanical drawing.

Architecture. See also Amphitheatres; Archaeology; Arches; Arches of triumph; Architects; Architectural drawing; Arts, fine; Baptisteries; Barns; Basilicas; Baths and bathing; Bridges; Building associations: Building materials; Carpentry; Castles; Cathedrals; Chimneys; Christian art; Church architecture; Cliff-dwellings; Columns; Decoration and ornament; Domes; Doors; Fences; Floors; Foundations; Fountains; Gates; Girders; Gothic architecture; Greenhouses; Handrailing; Hardware; Heating; Hospitals; Hotels; House painting; Lake-dwellings; Libraries; Masonry; Metal-work; Obelisks; Orders (architectural); Palaces; Plastering; Plumbing; Pyramids; Roofs; Sanitary engineering; School-houses; Sound; Spires; Stables; Stair-building; Strength of materials; Temples; Theatre; Tombs; Towers; Trusses; Vaulting; Ventilation; Walls; Windows.

Refer from Archaeology; Arts, fine; Arts, useful; Building; Carpentry; Decoration and ornament; Engineering; Rural architecture; Strength of materials.

Architecture, domestic. See also Apartment houses; Cottages; House decora-

tion; House painting; Tenement-houses.

Refer from Cottages; Domestic architecture; Dwellings; Houses; Residences; Tenement-houses; Villas.

Architecture, military. See Fortification;
Military architecture.

Architecture, naval. See Ship-building.

Arctic regions. See also Antarctic regions; North pole: Northeast passage; Northwest passage.

Refer from Earth; Geography; Ice; North pole; Northeast passage; Northwest passage; Polar Regions; Voyages and travels.

Argonauts.

Refer from Golden fleece: Mythology.

Argot. See Slang.

Arianism. See also Socinianism; Trinity; Unitarianism.

Refer from Church history; Jesus Christ; Socinianism; Trinity; Unitarianism.

Arithmetic. See also Arithmetical instruments; Bookkeeping; Decimal system; Interest; Mensuration; Metric system; Numbers; Numerals.

Refer from Accounts; Mathematics; Mental arithmetic; Numbers (theory of); Weights and measures.

Arithmetical instruments. See also Calculating machines.

Refer from Arithmetic; Instruments; Mathematical instruments.

Armatures.

Refer from Electric engineering; Electricity; Electromagnets.

Arminianism.

Refer from Predestination; Theology.

Armor. See Arms and armor.

Armored vessels.

Refer from Iron-clad vessels; Naval art and science; Ship-building; Ships.

Arms, coats of. See Heraldry.

Arms and armor. See also Artillery;
Bayonet; Firearms; Gun; Gunnery;
Helmets; Ordnance; Pistol; Rifle;
Sword

Refer from Archaeology; Armor; Costume; Firearms; Heraldry; Military art and science; Weapons.

Army. See Military art and science; also names of countries.

Arrest.

Refer from Constables; Criminal law; Imprisonment; Law.

Arrow-heads.

Refer from Archaeology.

Arrows. See Archery.

Arsenals.

Refer from Firearms; Military architecture; Ordnance.

Art. See also Arts, fine; Arts, useful; Esthetics.

Refer from Esthetics.

Art education.

Refer from Arts, fine; Education.

Art galleries.

Refer from Arts, fine; Exhibitions; Museums; Paintings; Pictures.

Arteries. See also Blood; Veins.

Refer from Anatomy; Blood; Veins.

Artesian wells. See also Boring; Wells.

Refer from Boring; Hydraulic engineering; Water-supply; Wells.

Articles, thirty-nine. See Church of England.

Artificial flowers. See also Wax flowers. Refer from Fancy work; Flowers.

Artillery. See also Gunnery; Military art and science; Naval artillery; Ordnance; Projectiles

Refer from Arms and armor; Batteries; Firearms; Gun; Gunnery; Military art and science; Ordnance; Tactics.

Artistic anatomy. See Anatomy for artists.

Artists. See also Anatomy for artists; Architects; Engravers; Musicians; Painters; Sculptors.

Refer from Arts, fine; Biography; Engravers; Painters; Painting; Sculptors.

Arts, fine. See also Anatomy for artists;
Archaeology; Architecture; Art education; Art galleries; Artists; Book illustration; Brasses; Bric-a-brac; Bronzes; Caricature; Carving; Christian art and symbolism; Coins and medals; Costume; Decoration and ornament; Drawing; Embroidery; Enamel; Engraving; Esthetics; Etching; Exhibitions; Frescoes; Furniture; Gems; Glass; Glasspainting; Goldsmithing; House decoration; Illumination; Ironwork; Jewelry; Lace; Landscape gardening; Leather work; Lithography; Metal-work; Miniature painting; Mosaics; Music; Needle-

work; Painting; Photography; Portraits; Pottery; Renaissance; Sculpture; Silhouettes; Silversmithing; Symbolism; Tapestry.

Refer from Archaeology; Architecture; Art; Book illustration; Christian art and symbolism; Composition; Criticism; Decoration and ornament; Design; Engraving; Esthetics; Fine arts; Graphic arts; Painting; Sculpture.

Arts, useful. See also Agriculture; Architecture; Assaving; Blacksmithing; Bookbinding; Brewing; Bricks; Bridges; Business; Cabinet work; Calico-printing; Carpentry; Carving; Casting; Chemistry; Commerce; Cookery; Decoration and ornament; Distillation; Domestic economy; Dyeing; Electric engineering; Engineering; Engraving; Exhibitions; Factories; Fisheries; Floriculture; Furniture; Gardening; Gilding; Glass; Horseshoeing; Inventions; Machinery; Manual training; Manufactures; Masonry; Mechanics; Medicine; Metal-work; Metals; Mills; Mines and mining; Navigation; Painting, mechanical; Patents; Photography; Plumbing; Pottery; Printing; Receipts; Ship-building; Surveying; Tanning; Tapestry; Technical education; Telegraph; Textile fabrics; Timekeepers; Tools; Turning; Upholstery; Weaving; Woodwork.

Refer from Art; Chemistry; Discoveries (in science); Domestic economy; Engineering; Industrial arts; Manufactures; Mechanic arts; Science; Technology; Useful arts.

Aryans.

Refer from Ethnology; Mythology; Religions.

Asceticism. See also Fasting; Hermits;
Monasticism.

Refer from Church polity; Fasting; Hermits; Monasticism; Theology.

Ash Wednesday. See also Lent.

Refer from Fasts and feasts; Lent.

Assassination. See also Murder.

Refer from Criminal law; Murder. Assault.

Refer from Criminal Law; Law.

Assaying. See also Blowpipe; Metals.

Refer from Analysis; Arts, useful;

Blowpipe; Chemistry; Metals; Mineralogy.

Assessment. See Taxation.

Assignments. See also Bankruptcy.

Refer from Bankruptcy; Commercial law; Contracts; Debt; Law.

Association. See Cooperation.

Associations. See Corporations; Guilds; Societies; Trade-unions.

Assurance. See Insurance.

Asteroids.

Refer from Astronomy; Planets; Solar system; Stars.

Asthma.

Refer from Breathing; Medicine, practice of.

Astrology.

Refer from Astronomy; Fortune-telling; Hermetic art; Occult sciences; Omens; Planets; Stars; Superstition.

Astronomers.

Refer from Astronomy; Biography; Scientists.

Astronomical instruments. See also Telescope.

Refer from Astronomy; Instruments; Optical instruments; Philosophical instruments.

Astronomical photography.

Refer from Astronomy; Photography.

Astronomy. See also Almanacs; Asteroids;
Astrology; Astronomers; Astronomical
instruments; Astronomical photography; Chronology; Comets; Earth;
Eclipses; Equinoxes; Globes; Gravitation; Latitude; Longitude; Meteors;
Moon; Nautical almanacs; Nautical astronomy; Navigation; Nebulæ; Pendulum; Planets [and their names]; Plurality of worlds; Seasons; Solar system;
Space; Spectrum; Stars; Sun; Telescope; Tides; Time; Transits; Universe; Zodiac; Zodiacal light.

Refer from Atlases; Constellations; Earth; Eclipses; Globes; Gravitation; Heavens; Mathematics; Physics; Planets; Science; Sky; Solar system; Stars; Time; Universe.

Asylum, right of.

Refer from Law; Sanctuary.

Asylums. See also Hospitals; Insane hospitals.

Refer from Charities; Hospitals; Medicine.

Athanasian creed.

Refer from Church of England; Creeds; Trinity.

Atheism. See also Agnoticism; Deism; God; Materialism; Natural religion; Skepticism; Theism.

Refer from Agnosticism; Deism; God; Natural religion; Philosophy; Religion; Skepticism; Theism; Theology.

Athletics. See Gymnastics; Physical education; Sports.

Atlases. See also Astronomy; Geography; Historical atlases; Maps.

Refer from Geography: Maps.

Atmosphere. See Air; Meteorology.

Atoms. See also Chemistry; Molecules; Physics.

Refer from Chemistry; Matter; Molecules; Physics.

Atonement. See also Jesus Christ.

Refer from Jesus Christ; Sacrifice; Theology.

Attachment.

Refer from Commercial law; Law.

Attorneys. See also Agents.

Refer from Agents; Law.

Auctions.

Refer from Business; Commerce; Sale.

Augury. See Divination.

Auricular confession. Sec Confession.

Aurora.

Refer from Meteorology; Northern lights.
Authors. See also Anonyms; Authorship;
Bibliography; Copyright; Dramatists;
Historians; Literature; Musicians;
Naturalists; Novelists; Poets; Pseudonyms; Scientists.

Refer from Biography; Literary men; Literature; Writers.

Authorship. See also Journalism; Versification.

Refer from Authors; Journalism; Literature; Writing.

Autographs.

Refer from Biography; Handwriting; Signatures.

Autopsy.

Refer from Anatomy; Death; Dissection; Medical jurisprudence; Medicine; Pathology; Post-mortem examinations; Surgery.

Autumn.

Refer from Fall; Seasons.

Autumnal catarrh. See Hay-fever.

Avalanches.

Refer from Mountains; Snow.

Avesta. See also Parsees.

Refer from Parsees.

Awards.

Refer from Law.

Axioms.

Refer from Geometry; Mathematics; Philosophy; Truth.

Backgammon.

Refer from Games.

Bacteria. See also Fermentation; Germ theory.

Refer from Botany; Contagion; Fermentation; Fungi; Germ theory; Medicine; Microbes; Parasites; Pathology.

Bail.

Refer from Criminal law; Law.

Bailments.

Refer from Contracts; Guaranties and sureties; Law.

Baking. See also Bread; Cookery.

Refer from Cookery.

Baldness. See also Hair.

Refer from Hair; Head.

Ball. See Baseball; Cricket; Football.

Ballads. See also Chap-books; Folk-songs; Legends; Lyric poetry; Poetry; Songs; also English, etc., ballads.

Refer from Carols; Chap-books; Folk-songs; Legends; Literature; Lyric poetry; Poetry; Songs.

Ballet.

Refer from Amusements; Dancing; Theatre.

Ballistics. See Projectiles.

Balloons. See Aerial navigation.

Ballot. See also Election; Suffrage.

Refer from Election; Political science; Suffrage; Voting.

Balls (parties). See also Dancing; Masquerades.

Refer from Amusements; Dancing; Parties.

Banditti. See Brigands.

Bank notes. See also Counterfeits; Paper money.

Refer from Banks; Counterfeits; Engraving; Money; Paper money.

Bankers.

Refer from Banks; Biography. Banking. See Banks and Banking.

Bankruptcy. See also Assignments; Debt; Receivers.

Refer from Assignments; Commerce; Commercial law; Corporations; Debt; Insolvency; Law.

Banks and banking. See also Bank notes;
Bankers; Building associations; Credit;
Exchange; Finance; Interest; Money;
Pawnbroking; Savings-banks; Stock
exchange; Stocks.

Refer from Banking; Bills of credit; Bills of exchange; Bimetallism; Commerce; Credit; Economics; Finance; Investments; Money; National banks; Paper money; Stock exchange; Wealth.

Banners. See Flags.

Baptism. See also Baptismal fonts; Baptisteries; Baptists; Close communion; Regeneration; Sacraments.

Refer from Baptists: Church antiquities; Church membership; Church polity; Regeneration: Rites and ceremonies; Sacraments; Theology.

Baptismal fonts.

Refer from Baptism; Church furniture; Fonts.

Baptisteries.

Refer from Architecture; Baptism; Church architecture.

Baptists. See also Baptism; Close communion.

Refer from Anabaptists; Baptism; Close communion; Congregationalism; Sects.

Bar. See Lawyers.

Bards. See also Minnesingers; Minstrels; Troubadours; Trouvères.

Refer from Minstrels; Poetry.

Bark.

Refer from Botany; Trees.

Barns. See also Stables.

Refer from Agriculture; Architecture; Cattle; Domestic animals; Horse; Stables.

Barometer. See also Aneroid barometer.

Refer from Air; Aneroid barometer; Meteorology; Physics; Surveying.

Baronage. See Peerage.

Baronetage. See Peerage.

Barrows. See Mounds.

Baseball.

Refer from Ball; Games; Sports.

Basilicas. See also Church architecture.

Refer from Architecture; Church architecture.

Bas-relief. See also Carving; Sculpture.

Refer from Carving; Decoration and ornament; Sculpture.

Baths and bathing. See also Diving; Hydropathy; Swimming.

Refer from Archaeology; Architecture; Cleanliness; Hydropathy; Hygiene; Sea bathing; Seashore; Sports; Swimming; Therapeutics; Toilet; Water.

Batrachia.

Refer from Amphibia; Reptiles; Vertebrates; Zoology.

Batteries. See Artillery; Electric batteries; Storage batteries.

Battle, wager of. See Wager of battle.

Battles. See also Massacres; Sieges; also names of battles, countries, generals, wars, etc.

Refer from History; Military art and science; Military history; Naval history; Sieges; War.

Bayonet.

Refer from Arms and armor; Gun; Military art and science.

Beaches. See also Seashore.

Refer from Physical geography; Sea-shore.

Beacons. See also Lighthouses.

Refer from Life-saving; Navigation.

Beads. See also Rosary.

Refer from Jewelry.

Beasts. See Bestiaries; Domestic animals; Zoology.

Beatitudes. See also Bible; Sermon on the Mount.

Refer from Bible; Sermon on the Mount. Beautiful, the. See Esthetics.

Beauty, personal. See also Cosmetics; Costume.

Refer from Woman.

Beds.

Refer from Furniture.

Beer. See also Ale; Brewing.

Refer from Ale; Brewing; Liquors; Malt; Temperance.

Bees. See also Wax.

Refer from Agriculture; Apiculture; Honey; Insects.

Beetles.

Refer from Coleoptera; Insects.

Begging. See also Charity; Poor.

Refer from Mendicity; Poor.

Behavior. See Etiquette.

Being.

Refer from Ontology; Philosophy.

Belief. See also Certainty; Creeds; Faith;

Religions; Sects; Truth.

Refer from Certainty; Doubt; Faith; Intellect; Philosophy; Psychology; Re-

ligion; Theology; Truth.

Belles-lettres. See Literature.

Bells. See also Electric bells.

Refer from Archaeology; Chiming; Church antiquities.

Belting.

Refer from Machinery.

Benedictines.

Refer from Monasticism.

Benefit of clergy.

Refer from Church law; Church polity; Clergy; Law.

Benefit societies. See Friendly societies.

Benevolence. See Charity; Poor.

Benevolent societies. See Charitable societies.

Bestiaries.

Refer from Animals, legends and stories of; Beasts; Literature.

Betting. See also Gambling; Probabilities. Refer from Gambling; Sports; Wagers.

Beverages. See also Coffee; Food; Liquors [and names of liquors]; Milk; Stimulants and narcotics; Tea; Temperance; Water.

Refer from Diet; Drinks; Food; Manufactures; Stimulants and narcotics; Temperance.

Bezique.

Refer from Cards.

Bible. See also Angels; Apocryphal gospels; Apostles; Beatitudes; Christianity; Church history; Commandments, ten; Creation; Deluge; Fall of man; God; Jesus Christ; Jews; Lord's prayer; Miracles; Parables; Patriarchs; Prophecies; Prophets; Religion and science; Revelation; Saints; Sermon on the Mount; Talmud; Theology.

[See appendix for a scheme of subdivision of this heading.]

Refer from Apocalypse; Apocrypha; Apostles; Archaeology; Beatitudes; Christianity; Church history; Commentaries; Concordance; Creation; Deluge, the; Evangelists; Evidences of the Bible; God; Hermeneutics; Jesus Christ; Jews; Parables; Prophecies; Prophets: Psalmody; Religion; Revelation; Sacred history; Scriptures; Theology; also from names of books and other divisions of the Bible. [It is better to enter all such here.]

Bible classes. See also Sunday schools.

Refer from Religious education; Sunday

Bible in the schools.

Refer from Education; Public schools; Religious education.

Bible societies.

Refer from Societies.

Bibliography. See also Anonyms; Book collecting; Bookbinding; Bookplates; Books and reading; Cataloging; Classification; Indexes; Indexing; Libraries; Library catalogs; Literature; Manuscripts; Pseudonyms; also, names of literatures as English, American, etc.; also, names of persons, places, and subjects for lists of books relating to them.

Refer from Authors; Books and reading; Catalogs; Libraries; Library catalogs; Literary history; Literature.

Bibliomania. See Book collecting.

Bicycling. See Cycling.

Bilious fever. See also Liver.

Refer from Fever; Liver.

Billiards.

Refer from Games.

Bills of credit. See Banks and banking; Credit; Money; Paper money.

Bills of exchange. See Banks and banking; Credit; Exchange; Money; Paper money.

Bimetallism. See also Banks; Finance; Free coinage; Gold; Money; Silver. Refer from Finance; Free coinage; Gold; Money; Silver.

Binding. See Bookbinding.

Biography. See also Abolitionists; Actors; Actresses; Admirals; American loyalists; Anecdotes; Apothecaries; Architects; Artists; Astronomers; Authors: Autographs; Bankers; Bishops; Booksellers; Botanists; Brigands; Cardinals; Chancellors; Chief justices; Christian biography; Classical biography; Contemporaries; Criminals; Dramatists; Electricians; Emperors; Engineers; Engravers; Epitaphs; Explorers; Fathers

of the church; Genealogy; Generals; Governors; Heraldry; Heroes; Historians; History; Judges; Justices of the peace; Kings; Lawyers; Librarians; Mechanics; Merchants; Military biography; Ministers; Missionaries; Musicians; Naturalists; Naval biography; Orators; Painters; Patriarchs; Peerage; Philanthropists; Philosophers; Physicians; Pilgrim fathers; Poets; Portraits; Presidents; Prime ministers; Prophets; Queens; Reformers; Saints; Scientists; Sculptors; Shoemakers; Singers; Soldiers; Statesmen; Surgeons; Table-talk; Teachers; Travelers; Woman.

Refer from Genealogy; History; Lives; Memoirs.

Biology. See also Anatomy; Botany; Cells; Death; Embryology; Evolution; Heredity; Hygiene; Longevity; Natural history; Physiology; Protoplasm; Sex; Species; Zoology.

Refer from Botany; Cells; Death; Embryology; Evolution; Heredity; Life; Natural history; Philosophy; Physiology; Protoplasm; Psychology; Science; Zoology.

Bioplasm. See Protoplasm.

Birds. See also Animal locomotion; Cage birds; Eggs; Falconry; Flight; Game; Nests; Pigeons; Poultry; Taxidermy; Wings.

Refer from Animal locomotion; Eggs; Flight; Nests; Oology; Ornithology; Vertebrates; Zoology.

Birthday books.

Refer from Birthdays; Days.

Birthdays. See also Birthday books.

Refer from Days.

Bishops. See also Apostolic succession; Archbishops; Episcopacy; Ordination.

Refer from Apostolic succession; Archbishops; Biography; Catholic church; Christian biography; Church of England; Episcopacy; Protestant episcopal church in the U.S.

Black art. See Witchcraft.

Black death.

Refer from Contagion; Epidemics; Medicine, practice of.

Blacksmithing. See also Horseshoeing; Ironwork.

Refer from Arts, useful; Horseshoeing; Ironwork.

Blasting. See also Explosives; Quarrying.

Refer from Engineering; Explosives;

Mines and mining; Quarrying; Stone;

Tunnels.

Bleaching. See also Cleaning; Dyeing.

Refer from Cleaning; Dyeing; Textile fabrics.

Bleeding. See Bloodletting.

Blind. See also Color-blindness.

Refer from Education; Eye; Light; Senses; Sight.

Block-books. See also Printing.

Refer from Books and reading; Printing; Xylography.

Blockade. See also International law; Neutrality.

Refer from International law; Naval art and science; Neutrality.

Blood. See also Arteries; Bloodletting; Heart; Hemorrhage; Veins.

Refer from Arteries; Circulation of the blood; Heart; Pathology; Physiology.

Bloodletting. See also Cupping.

Refer from Bleeding; Blood; Cupping; Surgery; Therapeutics; Venesection.

Blowpipe. See also Assaying; Chemistry; Mineralogy.

Refer from Analysis; Assaying; Chemistry; Metals; Mineralogy.

Blunders.

Refer from Delusions; Errors; Mistakes.

Boating. See also Canoeing; Life-boats; Navigation; Rowing; Sailing; Yachting. Refer from Navigation; Rowing; Sailing;

Ship-building; Ships; Sports; Yachting. Body, human. See Anatomy; Physiology.

Body and mind. See Mind and body.

Boilers. See also Fuel; Steam; Steam-engine; Steam navigation.

Refer from Explosives; Steam; Steam-boilers; Steam-engine.

Bonds. See also Corporations; Finance; Investments; Stocks.

Refer from Corporations; Finance; Guaranties and sureties; Investments; Negotiable instruments; Securities; Stocks.

Bones. See also Dislocation; Fracture; Joints; Skull.

Refer from Anatomy; Osteology; Skeleton; Surgery.

Book clubs.

Refer from Clubs; Libraries.

Book collecting.

Refer from Bibliography; Bibliomania;

Book illustration. See also Arts, fine; Engraving; Illumination; Photo-engraving,

Refer from Arts, fine; Books and reading: Decoration and ornament; Engraving; Illustration of books.

Book of fate. See Fortune-tellers.

Bookbinding. See also Marbling.

Refer from Arts, useful; Bibliography; Binding; Books and reading; Libraries. Bookkeeping.

Refer from Accounts; Arithmetic; Business; Business education; Commerce.

Bookplates.

Refer from Bibliography; Ex libris.

Books and reading. See also Bibliography; Block-books; Book illustration; Bookbinding; Cataloging; Chained books; Children's literature; Classification; Copyright; Illumination; Libraries; Library catalogs; Literature; Manuscripts; Printing; Prohibited books; Text-books; Writing.

Refer from Bibliography; Libraries;

Literature; Reading.

Booksellers.

Refer from Biography; Publishers.

Bookselling. See also Copyright; Printing. Refer from Commerce; Literature; Publishing.

Boots. See Shoes.

Boring. See also Artesian wells.

Refer from Artesian wells; Engineering;

Boroughs. See also Cities; Representation;

Refer from Cities; Local government; Representation; Towns.

Botanical chemistry.

Refer from Botany; Chemistry.

Botanical gardens.

Refer from Botany; Gardens.

Botanical museums.

Refer from Museums.

Botanical societies.

Refer from Societies.

Botanists.

Refer from Biography; Botany; Scientists. Botany. See also Agricultural botany; Agriculture; Algæ; Alpine plants;

Bacteria; Bark; Biology; Botanical; Botanists; Buds; Cells; Climbing plants; Color of flowers; Cryptogams; Evolution; Ferns; Fertilization of plants; Floriculture; Flowers; Forestry; Fruit; Fungi; Gardening; Geographical distribution; Grass; Insectivorous plants; Leaves; Lichens; Medical botany; Microscope; Mosses; Natural history; Orchids; Paleontology; Parasites; Phanerogams; Phosphorescence; Seedlings; Seeds; Shrubs; Trees; Vegetables; Weeds.

Refer from Agriculture; Biology; Flora; Flowers; Gardening; Natural history; Phanerogams; Plants; Science; Shrubs; Trees; Vegetables.

Boulders. See also Glaciers; Moraines.

Refer from Erratics; Geology; Glaciers; Moraines.

Boundaries. See also Northeast boundary; Northwest boundary; also names of countries and states.

Refer from Geography; History.

Bowling.

Refer from Games; Sports.

Boxing.

Refer from Fighting; Pugilism; Sparring; Sports.

Boys. See also Apprentices; Children; Young men.

Refer from Children; Conduct of life; Young men; Young people.

Bracelets.

Refer from Costume; Jewelry.

Brahmanism. See also Buddhism; Hinduism.

Refer from Buddhism; Hinduism; Religions.

Brain. See also Apoplexy; Dreams; Idiocy; Insanity; Intellect; Mind and body; Nervous system; Paralysis; Phrenology; Psychology.

Refer from Anatomy; Head; Insanity; Intellect; Mental diseases; Mind and body; Nervous system; Philosophy; Physiology; Psychology; Skull.

Brandy. See also Distillation.

Refer from Distillation; Liquors.

Brass. See also Brasses; Bronze.

Refer from Metals.

Brasses.

Refer from Archaeology; Arts, fine;

Brass; Epitaphs; Metal-work; Monu-

ments; Tombs.

Bread. See also Cookery; Flour.

Refer from Baking; Cookery; Food.

Breadstuffs. See Grain.

Breakwaters.

Refer from Engineering; Harbors.

Breast.

Refer from Anatomy; Chest.

Breathing. See also Asthma; Bronchitis; Catarrh; Chest; Consumption; Croup; Influenza; Lungs; Nose; Throat; Voice.

Refer from Lungs; Physiology; Respiration; Throat.

Breeding. See Domestic animals.

Brewing. See also Beer; Distillation.

Refer from Alcohol; Ale; Arts, useful; Beer; Distillation; Domestic economy; Liquors; Malt.

Bric-a-brac. See also Decoration; Pottery.

Refer from Arts, fine; Decoration and ornament; House decoration; Pottery.

Bricks. See also Masonry; Tiles.

Refer from Arts, useful; Building materials; Manufactures; Masonry; Tiles.

Bridges. See also Arches; Cables; Girders; Masonry; Strength of materials; Trusses.

Refer from Architecture; Arts, useful; Engineering; Girders; Masonry; Military engineering; Railroads; Strength of materials; Trusses; Viaducts.

Brigands. See also Highwaymen; Robbers. Refer from Banditti; Biography; Crime; Highwaymen; Robbers.

Brokers. See Agents; Stock exchange.

Bronchitis. See also Throat.

Refer from Breathing; Cold (disease); Cough; Medicine, practice of; Throat.

Bronze.

Refer from Brass; Metals.

Bronze age.

Refer from Archaeology.

Bronzes.

Refer from Archaeology; Arts, fine; Metal-work; Sculpture.

Bronzing.

Refer from Decoration and ornament.

Brotherhoods. See also Monasticism.

Refer from Charities; Church polity; Monasticism; Religious orders.

Brownists. See also Congregationalism.

Refer from Congregationalism; Dissenters; Sects.

Bruises.

Refer from Accidents; Contusions.

Brutes. See Animals, treatment of; Zoology.

Bryology. See Mosses.

Buccaneers. See also Pirates.

Refer from Filibusters; Naval history; Pirates.

Bucolic poetry. See Pastoral poetry.

Buddha. See Buddhism.

Buddhism. See also Brahmanism; Hinduism.

Refer from Brahmanism; Buddha; Hinduism; Monasticism; Religions.

Buddhism, esoteric. See Theosophy. Buds.

Refer from Botany; Flowers.

Building. See Architecture; Carpentry; Engineering; Masonry.

Building associations.

Refer from Architecture; Banks; Friendly societies; Cooperation; Cooperative building associations; Investments; Loan associations; Savings-banks.

Building materials. *See also* Bricks; Cement; Iron; Stone; Strength of materials; Terra-cotta; Timber; Wood.

Refer from Architecture; Engineering;
Strength of materials.

Bulbs.

Refer from Floriculture.

Bull fights.

Refer from Fighting; Sports.

Bullion. See Money.

Burglary.

Refer from Criminal law.

Burial. See also Burial service; Catacombs; Cemeteries; Coffins; Cremation; Embalming; Epitaphs; Funerals; Monuments; Mounds; Mummies; Tombs; Urns.

Refer from Archaeology; Burying grounds; Cemeteries; Death; Funerals; Hygiene, public; Interment; Manners and customs; Sculpture; Tombs.

Burial service.

Refer from Burial; Church music; Funerals; Liturgies; Rites and ceremonies

Burning the dead. See Cremation.

Burns and scalds.

Refer from Accidents; Scalds.

Burying grounds. See Burial; Cemeteries.

Business. See also Advertising; Auctions; Bookkeeping; Commerce; Commercial law; Commercial travelers; Credit; Economics; Exchange; Finance; Manufactures; Merchants; Money; Stock exchange; Success.

Refer from Arts, useful; Commerce; Merchants; Money; Success; Trade; Wealth.

Business education. *See also* Bookkeeping; Commercial correspondence.

Refer from Commercial education; Education.

Butter.

Refer from Agriculture; Cattle; Cow; Dairy; Food; Milk.

Butterflies. See also Caterpillars; Lepidoptera.

Refer from Insects: Lepidoptera.

Cābinet work. See also Decoration and ornament; Furniture; Turning.

Refer from Arts, useful; Carpentry; Decoration and ornament; Furniture; Woodwork.

Cables. See also Chains; Electric wires; Rope; Telegraph; Wire.

Refer from Bridges; Manufactures; Rope; Wire.

Cage birds.

Refer from Birds; Domestic animals.

Calculating machines.

Refer from Arithmetical instruments; Mathematical instruments; Mathematics.

Calculus (mathematics).

Refer from Analysis, mathematical; Fluxions: Mathematics.

Calendar. See also Chronology; Year.

Refer from Chronology; Time; Year.

Calendars [containing readings for every day]. See also Almanacs; Year-books.

Refer from Year-books.

Calico-printing.

Refer from Arts, useful; Dyeing; Printing; Textile fabrics.

Calisthenics. See Gymnastics.

Caloric. See Heat.

Calvinism. See also Antinomianism; Congregationalism; Orthodoxy; Predestination; Presbyterianism.

Refer from Orthodoxy; Predestination; Presbyterianism; Theology.

Cambistry. See Exchange; Weights and measures.

Cameos. See also Gems.

Refer from Carving (wood, etc.); Gems; Jewelry.

Camera. See also Photography.

Refer from Photography.

Camp-meetings.

Refer from Revivals.

Camping. See also Tents.

Refer from Amusements; Country life; Outdoor life; Sports; Tents.

Camps (military)

Refer from Military art and science.

Canals. See also Aqueducts; Hydraulic engineering; Irrigation.

Refer from Commerce; Engineering; Hydraulic engineering; Inland navigation; Irrigation; Locomotion; Navigation; Transportation; Water-supply.

Cancer.

Refer from Medicine, practice of; Tumors. Candles.

Refer from Lighting; Manufactures.

Candlesticks.

Refer from Furniture; House decoration.

Candy. See Confectionery.

Cannibalism.

Refer from Animal food; Ethnology; Food; Man; Manners and customs.

Cannon. See Ordnance.

Canoeing.

Refer from Boating; Locomotion; Navigation; Sailing; Sports.

Canon law. See Church law.

Canonization. See also Saints.

Refer from Catholic church; Church history; Rites and ceremonies; Saints.

Cantatas.

Refer from Music; Oratorio.

Caoutchouc. See India-rubber.

Capital. See also Interest; Labor; Money; Monopolies; Strikes and lockouts; Trusts.

Refer from Commerce; Economics; Labor; Money; Monopolies; Trusts; Wealth.

Capital punishment. See also Guillotine; Hanging.

Refer from Crime; Criminal law; Death penalty; Ethics; Hanging; Punishment.

Capuchins. See also Franciscans.

Refer from Franciscans; Monasticism.

Cardinals.

Refer from Biography; Catholic church; Christian biography; Church polity.

Cards. See also Bezique; Cribbage; Euchre; Fortune-telling; Gambling; Patience; Whist.

Refer from Amusements; Gambling; Games; Playing-cards.

Caricature. See also Satire; Wit and humor.

Refer from Arts, fine; Drawing; Satire;
Wit and humor.

Carols. See also Ballads; Songs.

Refer from Christmas; Church music; Easter; Music; Songs.

Carpentry. See also Architecture; Cabinet work; Cars; Carving; Floors; Handrailing; Stair-building; Tools; Turning; Woodwork.

Refer from Architecture; Arts, useful; Building; Joinery; Manual training; Stair-building; Tools; Woodwork.

Carpets. See also House decoration; Sweeping: Weaving.

Refer from Floors; House decoration; Textile fabrics; Weaving.

Carriage painting. See also Painting, mechanical.

Refer from Painting, mechanical.

Carriages. *See also* Ambulances; Chariots; Coaching; Wheels.

Refer from Coaches; Locomotion; Manufactures; Stage-coaches; Transportation; Vehicles; Wagons; Wheels.

Carriers. See also Commerce; Navigation; Railroads.

Refer from Commercial law; Common carriers; Law.

Cars.

Refer from Carpentry; Manufactures; Railroads; Vehicles.

Cartesian philosophy. See Descartes, R.

Carthusians.

Refer from Monasticism.

Cartography. See Maps.

Carving (meat, etc.). See also Cookery.

Refer from Cookery; Dining; Domestic economy; Table, the.

Carving (wood, etc.). See also Bas-relief; Cameos; Ivory; Sculpture; Turning; Wood-carving.

Refer from Arts, fine; Arts, useful; Basrelief; Carpentry; Decoration and ornament; Sculpture; Wood-carving.

Cases of conscience. See Conscience.

Caste.

Refer from Manners and customs; Sociology.

Casting. See also Pattern-making.

Refer from Arts, useful; Founding; Iron; Metals; Molding; Moulding; Steel.

Castles. See also Military architecture.

Refer from Archaeology; Architecture; Chateaux; Middle ages; Military architecture.

Casuistry. See Conscience.

Cat

Refer from Domestic animals; Mammals. Catacombs.

Refer from Archaeology; Burial; Caves; Cemeteries; Christian art and symbolism; Church antiquities; Church history; Tombs.

Cataloging. See also Classification; Indexing; Libraries.

Refer from Bibliography; Books and reading; Classification; Indexing; Libraries; Library catalogs.

Catalogs. See also Bibliography; Library catalogs; also other subjects of which catalogs are made.

Cataracts. See Waterfalls.

Catarrh. See also Cold; Hay-fever.

Refer from Breathing; Cold (disease); Medicine, practice of; Nose.

Catechisms. See also Creeds; Names of churches.

Refer from Creeds; Theology.

Caterpillars.

Refer from Agricultural pests; Butterflies; Insects; Lepidoptera; Moths.

Cathedrals. See also Church architecture.

Refer from Abbeys; Architecture; Christian art and symbolism; Church architecture; Church history; Church of England; Gothic architecture.

Cathode rays. See X rays.

Catholic church. See also Abbeys; Archbishops; Bishops; Canonization; Cardinals; Celibacy; Christianity; Church and state; Church history; Church law; Church music; Confession; Convents; Councils; Episcopacy; Excommunication; Fasts and feasts; Fathers of the church; Greek church; Immaculate conception; Indulgences; Infallibility; Inquisition; Jansenists; Jesuits; Lent; Liturgies; Mary, virgin; Mass; Miracles;

Missals; Missions: Monasteries; Monasticism: Nunneries; Oxford movement; Penance; Persecution; Pilgrimage; Popes; Priests; Protestantism; Purgatory; Reformation; Religious liberty; Rosary; Saints; Sisterhoods; Transubstantiation; Ultramontanism: Vatican council.

Refer from Christianity; Church and state; Church history; Church law; Church of England; Emancipation; Episcopacy; Infallibility; Papacy; Popes; Priests; Protestantism; Reformation; Ritualism; Roman Catholic church; Romanism; Sects; Ultramontanism; Vatican.

Cattle. See also Barns; Butter; Cheese; Cow; Dairy; Domestic animals; Milk; Ox; Veterinary medicine.

Refer from Agriculture; Cow; Dairy; Domestic animals; Live stock; Ox; Stock breeding; Veterinary medicine.

Caucus. See also Election (in politics).

Refer from Election (in politics); Political science.

Cavalry. See also Horse; Military art and science.

Refer from Military art and science; Tactics.

Caves. See also Catacombs.

Refer from Archaeology; Grottoes; Physical geography.

Celibacy.

Refer from Catholic church; Chastity; Church history; Church polity; Clergy; Ethics; Marriage; Monasticism; Priests; Theology; Woman.

Cell, voltaic. See also Electric batteries.

Refer from Electric batteries; Electricity;

Voltaic cell.

Cells. See also Biology; Embryology; Histology; Protoplasm.

Refer from Biology; Botany; Embryology; Histology; Protoplasm; Zoology.

Cement. See also Concrete; Glue.

Refer from Building materials; Concrete; Limes; Masonry; Mortar.

Cemeteries. See also Burial; Catacombs; Epitaphs; Landscape gardening; Tombs. Refer from Archaeology; Burial; Burying grounds; Churchyards; Graveyards; Landscape gardening; Tombs. Censorship of the press. See Liberty of the press; Prohibited books.

Census. See also Statistics; also names of cities, countries, states, etc.

Refer from Population; Statistics; Vital statistics.

Ceramics. See Pottery.

Cereals. See Grain.

Ceremonies. See Etiquette; Manners and customs; Rites and ceremonies.

Certainty. See also Belief; Faith; Truth.

Refer from Belief; Evidence; Faith; Intellect; Logic; Philosophy; Theology;

Truth.

Chained books.

Refer from Books and reading.

Chains.

Refer from Cables; Manufactures.

Chairs.

Refer from Furniture.

Chance. See also Probabilities.

Refer from Philosophy.

Chancellors, lord.

Refer from Biography; Lawyers; Ministers (of state).

Chancery. See also Equity.

Refer from Courts; Equity; Law.

Chanting. See also Singing.

Refer from Church music; Music; Singing.

Chants. See also Anthems; Church music; Hymns. .

Refer from Anthems; Church music; Music.

Chap-books. See also Ballads.

Refer from Ballads; Literature.

Chapels. See also Church architecture.

Refer from Church architecture.

Character. See also Christian life; Conduct of life; Ethics; Phrenology; Physiognomy; Temperament.

Refer from Conduct of life; Ethics; Psychology.

Charades. See also Amateur theatricals;

Refer from Amateur theatricals; Amusements; Drama; Puzzles; Riddles.

Charcoal drawing.

Refer from Drawing.

Chariots.

Refer from Archaeology; Carriages; Military art and science; Vehicles.

Charitable societies.

Refer from Benevolent societies; Charities.

Charities. See also Almshouses; Asylums; Brotherhoods; Charitable societies; Hospitals; Poor; Sisterhoods; Social settlements.

Refer from Almshouses; Charity; Economics; Philanthropy; Poor; Public institutions; Reform; Sociology.

Charity. See also Charities; Love.

Refer from Almsgiving; Begging; Benevolence; Ethics; Love; Philanthropy.

Charity schools. See also Ragged schools. Refer from Education; Schools.

Charms. See also Amulets; Witchcraft.

Refer from Superstition; Talismans;

Witchcraft.

Charts. See Maps.

Chase, the. See Hunting.

Chastity. See also Celibacy.

Refer from Ethics; Marriage; Virtue; Woman.

Chateaux. See Castles.

Chattels. See Property.

Checkers.

Refer from Draughts; Games.

Cheese. See also Dairy.

Refer from Agriculture; Cattle; Cow; Dairy; Milk.

Cheirosophy. See Palmistry.

Chemistry. See also Acids; Adulterations;
Agricultural chemistry; Air; Alchemy;
Alcohol; Alkalies; Aniline colors; Arts,
useful; Assaying; Atoms; Blowpipe;
Botanical chemistry; Color; Combustion; Cookery; Crystallography; Distillation; Dyeing; Electrochemistry;
Evaporation; Explosives; Fermentation; Fire; Gas; Gases; Medical chemistry; Metals; Mineralogy; Molecules;
Paint; Perfumery; Pharmacy; Phosphates; Photography; Physics; Poisons; Receipts; Spectrum.

Refer from Alchemy; Analysis; Arts, useful; Atoms; Blowpipe; Experiments; Metals; Molecules; Natural history; Physics; Qualitative analysis; Quantitative analysis; Science.

Chess

Refer from Games.

Chest. See also Breast; Consumption; Heart; Lungs; Pneumonia. Refer from Breathing. Chicken-pox.

Refer from Children, Diseases; Medicine, practice of; Skin.

Chickens. See Poultry.

Chief justices. See also Judges.

Refer from Biography; Judges; Lawyers. Child study. See also Kindergarten; Psychology.

Refer from Education; Kindergarten; Psychology; Teaching.

Children. See also Adoption; Boys; Children's crusade; Children's literature; Consolation; Education; Family; Foundlings; Girls; Heredity; Kindergarten; Labor; Mothers; Orphans; Parents; Reformatories; Sunday schools; Twins.

Refer from Boys; Domestic education; Education; Ethics; Family; Girls; Home; Infants; Kindergarten; Labor; Mothers; Parents; Sociology; Woman; Young people.

Children, *Diseases. See also* Chicken-pox; Cholera infantum; Croup; Scarlatina; Scarlet fever.

Refer from Hygiene; Medicine, practice of. Children's crusade, 1212.

Refer from Children; Crusades.

Children's literature.

Refer from Books and reading; Children; Juvenile literature; Literature; Stories.

Children's poetry.

Refer from Poetry.

Chiming. See Bells.

Chimney sweeping.

Refer from Sweeping.

Chimneys. See also Heating; Ventilation.

Refer from Architecture; Fires; Heating;

Ventilation.

China. See Pottery.

China painting. See also Pottery.

Refer from Decoration and ornament; Painting; Pottery.

Chiromancy. See Palmistry.

Chivalry. See also Crusades; Feudalism; Heraldry; Malta, knights of; Middle ages; Templars; Tournaments.

Refer from Crusades; Feudalism; Heraldry; Knight-errantry; Knighthood; Middle ages; Orders of knighthood; Religious orders; Templars; Tournaments.

Chloroform. See also Anesthetics.

Refer from Anesthetics.

Cholera, Asiatic.

Refer from Contagion; Epidemics; Medicine, practice of.

Cholera infantum.

Refer from Children, Diseases.

Cholera morbus.

Refer from Medicine, practice of.

Christ. See Jesus Christ.

Christendom. See Christianity; Church history; History.

Christian. See also Church; Religions. Refer from Ecclesiastical; Theology.

Christian antiquities. See Church antiqui-

Christian art and symbolism. See also Arts, fine; Catacombs; Cathedrals; Church architecture: Church furniture; Church vestments; Cross; Rites and ceremonies: Saints.

Refer from Archaeology; Architecture; Arts, fine; Christian symbolism; Church antiquities; Church architecture; Ecclesiastical art; Emblems; Iconography; Jesus Christ; Mary, virgin; Religious art; Sacred art; Saints; Symbolism.

Christian biography. See also Apostles; Apostolic fathers; Archbishops; Bishops; Cardinals; Fathers of the church; Hermits; Martyrs; Ministers; Missionaries; Monasticism; Nonconformists; Pilgrim fathers; Popes; Preachers; Puritans: Reformers; Saints.

Refer from Archbishops; Biography; Church biography; Church history; Church of England; Ecclesiastical biography; Martyrs; Ministers (of the gospel); Religion; Religious biography.

Christian character. See Christian life.

Christian doctrine. See Theology.

Christian education. See Religious education.

Christian life. See also Conduct of life; Conversion; Devotional exercises; Faith; Monasticism; Prayer; Religious education; Revivals.

Refer from Christian character; Conduct of life; Conversion; Ethics; Life; Religion.

Christian science.

Refer from Faith-cure; Mind-cure; Therapeutics.

Christian symbolism. See Christian art.

Christian union.

Refer from Church polity; Church unity; Sects; Theology.

Christianity. See also Bible; Catholic church; Church history; God; Miracles; Missions; Protestantism; Religion; Sects; Theology; also headings beginning with Christian and Church, and the references under all the above.

Refer from Apologetics; Bible; Catholic church; Christendom; Church history; Deism; Evidences of Christianity; Jesus Christ; Natural religion; Philosophy; Religion; Religions; Revelation; Sociology; Theism; Theology.

Christmas. See also Carols; Church decoration and ornament.

Refer from Fasts and feasts; Holidays; Jesus Christ.

Chromatics. See Color.

Chromolithography. See also Color; Lithography.

Refer from Color; Lithography.

Chronology. See also Calendar; History; Time; Year; also names of countries and periods.

Refer from Almanacs; Annals; Astronomy; Calendar; Dates; History; Time; Year.

Church, the. See also Church architecture; Church history; Church polity; etc. Refer from Christian; Ecclesiastical;

Theology.

Church and state. See also Catholic church; Church history; Church of England; Church polity; Disestablishment; Liberty of conscience.

Refer from Catholic church; Church history; Church of England; Church polity; Disestablishment; Political science; Religious liberty; State church.

Church antiquities. See also Baptism; Bells; Catacombs; Christian art and symbolism; Church architecture; Church furniture; Church vestments; Fasts and feasts; Funerals; Lord's supper; Marriage; Relics; Rites and ceremonies; Shrines.

Refer from Archaeology; Christian antiquities; Church ceremonies; Church history; Church polity; Ecclesiastical antiquities; Rites and ceremonies.

Church architecture. See also Abbeys; Baptisteries; Basilicas; Cathedrals; Chapels;

Christian art and symbolism; Crypts; Gothic architecture; Spires; Temples; Towers.

Refer from Architecture: Basilicas; Cathedrals; Chapels; Christian art and symbolism; Church; Church antiquities; Churches; Ecclesiastical architecture; Gothic architecture; Religious art.

Church benefices. See Church property.

Church biography. See Christian biography. Church ceremonies. See Church antiquities; Fasts and feasts; Rites and ceremonies.

Church costume. See Church vestments.

Church councils. See Councils.

Church decoration and ornament. See also Floral decoration.

Refer from Christmas; Decoration and ornament; Floral decoration.

Church dedication.

Refer from Church polity; Churches; Consecration; Dedication of churches; Rites and ceremonies.

Church fathers. See Fathers of the church. Church festivals. See Fasts and feasts.

Church furniture. See also Altars; Baptismal fonts; Pulpits; Shrines.

Refer from Christian art and symbolism; Church antiquities; Decoration and ornament; Ecclesiastical furniture; Furniture.

Church government. See Church polity.

Church history. See also Abbeys; Albigenses; Apostles; Apostolic fathers; Apostolic succession; Arianism; Bible; Canonization; Catacombs; Cathedrals; Catholic church; Celibacy; Christian biography; Christianity; Church and state; Church antiquities; Church law; Church polity; Confession; Convents; Councils; Covenanters; Creeds; Crusades; Dissenters; Eastern churches; Episcopacy; Fathers of the church; Greek church; Heresy; Huguenots; Inquisition; Jansenists; Jesuits; Jews; Martyrs; Middle ages; Miracles; Missions; Monasticism; Nunneries; Persecution; Popes; Protestantism; Reformation; Religious liberty; Revivals; Sects; Sisterhoods; Theology [for history of doctrines]; Waldenses; Witchcraft; also the names of churches, councils, countries, orders, sects, etc.

Refer from Apostolic church; Bible;

Catholic church; Christendom; Christianity; Church; Church and state; Church law; Church of England; Church polity; Councils; Ecclesiastical history; Greek church; History; History, modern; Reformation; Religion; Religious history; Sacred history; Theology.

Church law. See also Apostolic constitutions; Benefit of clergy; Catholic church; Church history; Church of England; Church polity; Councils; Divorce; Marriage; Tithes; also the names of churches.

Refer from Canon law; Catholic Church; Church of England; Church polity; Ecclesiastical law; Law.

Church membership. See also Baptism; Church polity; Close communion; Confirmation; Creeds; Lord's supper.

Refer from Church polity; Confirmation; Lord's supper.

Church music. See also Anthems; Burial service; Carols; Chanting; Chants; Hymns; Masses; Oratorio; Organ.

Refer from Anthems; Catholic church; Chants; Devotional exercises; Hymns; Music; Organ; Psalmody; Sacred music; Songs; Vocal music; Worship.

Church of England. See also Apostles' creed; Apostolic succession; Archbishops; Athanasian creed; Bishops; Cathedrals; Catholic church; Christian biography; Church and state; Church history; Church law; Church polity; Church property; Church rates; Clergy; Confession; Confirmation; Creeds; Disestablishment; Dissenters; Episcopacy; Fasts and feasts; Martyrs; Nicene creed; Nonconformists; Nonjurors; Oxford movement; Priests; Protestant episcopal church; Puritans; Ritualism; Sacraments; Sisterhoods; Tithes.

Refer from Articles, thirty-nine; Church and state; Church law; Disestablishment; Dissenters; England, church of; Episcopacy; Episcopal church; Nonconformists; Protestant episcopal church in the U. S.; Puritans; Ritualism; Sects; Thirty-nine articles.

Church of Scotland. *See also* Covenanters; Presbyterianism; Reformation.

Refer from Covenanters; Presbyterianism. Church polity. See also Absolution; Apos-

tolic succession; Asceticism; Baptism; Benefit of clergy; Brotherhoods; Cardinals; Celibacy; Christian union; Church and state; Church antiquities; Church dedication; Church history; Church law; Church membership; Church property; Church rates; Clergy; Confession; Confirmation; Congregationalism; Councils; Deaconesses; Deacons; Disestablishment; Episcopacy; Excommunication; Fasts and feasts; Free churches; Indulgences: Lord's supper; Methodism; Ministers; Monasticism; Ordination; Penance; Popes; Preaching; Presbyterianism; Priests; Religious liberty; Rites and ceremonies; Ritualism; Sacraments; Sisterhoods; Tithes; Worship. Refer from Church; Church and state; Church government; Church history; Church law; Church membership; Church of England; Congregationalism; Ecclesiastical polity; Protestant episcopal church in the U.S.; Religion;

Theology.
Church property.

Refer from Church beneficies; Church of England; Church polity; Property.

Church rates. See also Tithes.

Refer from Church of England; Church polity; Dissenters; Tithes.

Church services. See Liturgies; also names of churches and sects.

Church unity. See Christian union.

Church vestments. See also Costume.

Refer from Christian art and symbolism; Church antiquities; Church costume; Costume; Ecclesiastical costume; Regalia; Vestments.

Churches. See Church architecture; Church dedication; Free churches.

Churchyards. See Cemeteries.

Cipher.

Refer from Abbreviations; Cryptography; Secret writing; Sign language; Writing.

Circle.

Refer from Curves; Geometry.

Circulation of the blood. See Blood.

Circumcision.

Refer from Jews.

Circumnavigation. See Voyages around the world.

Circumstantial evidence. See Evidence.

Circus.

Refer from Amusements; Hippodrome.

Cistercians.

Refer from Monasticism.

Cities. See also Boroughs; Markets; Municipal government; Towns.

Refer from Boroughs; Local government; Municipal government; Sociology; Towns.

Citizenship. See also Allegiance; Civil rights; Naturalization; Patriotism.

Refer from Aliens; Allegiance; Election (in politics); International law; Naturalization; Political science; Suffrage.

Civil engineering. See Engineering; Surveying.

Civil government. See Political science.

Civil law. See also Law, and the references under that subject.

Refer from Law; Roman law.

Civil liberty. See Liberty.

Civil rights.

Refer from Citizenship; Law; Political science.

Civil service. See also Examinations.

Refer from Competitive examinations; Examinations; Office, tenure of; Political science; Reform; Spoils system.

Civil war. See U.S., History, Civil war; also names of other countries in which civil wars have taken place.

Civilization. See also Archaeology; Culture; Education; Ethics; History; Man; Sociology.

Refer from Anthropology; Archaeology; Culture; Ethics; History; History, philosophy of; Man; Political science; Progress; Social science; Sociology.

Clairvoyance. See also Animal magnetism; Mind-reading.

Refer from Animal magnetism; Divination; Fortune-telling; Mind-reading; Second sight; Spiritualism.

Classical antiquities. *See also* Archaeology; Classical dictionaries; Greece; Mythology; Rome.

Refer from Archaeology.

Classical biography. See also Greece;

Refer from Biography.

Classical dictionaries. *See also* Greece; Rome. *Refer from* Classical antiquities; Dictionaries; Mythology.

Classical education. See also Colleges.

Refer from Colleges and universities; Education; Language.

Classical geography. See Geography, ancient.

Classical literature. See also Greek literature; Latin literature.

Refer from Literature.

Classification. See also Cataloging;

Refer from Bibliography; Books and reading; Cataloging; Libraries; Natural history.

Cleaning. See also Bleaching; Dyeing; Soap; Street cleaning; Sweeping.

Refer from Bleaching; Dyeing; Scouring. Cleanliness. See also Baths and bathing; Disinfection.

Refer from Domestic economy; Hygiene.

Clergy. See also Benefit of clergy; Celibacy; Curates; Deacons; Ministers; Ordination; Preachers; Preaching; Priests. Refer from Church of England; Church

polity; Ministers (of the gospel); Pastors; Preachers; Priests; Rectors; Theology.

Cliff-dwellings.

Refer from Archaeology; Architecture: Indians of North America; Pueblos.

Climate. See also Meteorology; Temperature; Weather.

Refer from Ethnology; Hygiene; Meteorology; Physical geography; Temperature; Weather.

Climbing plants.

Refer from Botany; Vines.

Clinical medicine. See also Diagnosis; Pathology.

Refer from Medicine, practice of.

Clocks and watches. See also Pendulum;
Timekeepers.

Refer from Horology; Manufactures; Timekeepers; Watches.

Close communion. See also Baptists; Lord's supper.

Refer from Baptism; Baptists; Church membership; Communion; Lord's supper.

Cloth. See Textile fabrics.

Clothing. See also Costume; Dressmaking; Textile fabrics.

Refer from Costume; Dress; Dry Goods; Manufactures; Textile fabrics.

Clouds. See also Meteorology.

Refer from Meteorology.

Clubs. See also Book clubs; Societies.

Refer from Corporations; Societies; Sociology.

Coaches. See Carriages; Coaching.

Coaching. See also Driving.

Refer from Amusements; Carriages; Coaches; Driving; Horsemanship; Locomotion; Riding; Stage-coaches; Vehicles.

Coal. See also Aniline colors; Coal gas; Mines and mining.

Refer from Fuel; Geology; Mineralogy; Mines and mining.

Coal gas. See also Gas.

Refer from Coal; Gas.

Coal-tar colors. See Aniline colors.

Coast pilots.

Refer from Navigation.

Coast survey. See U.S., Coast Survey.

Coats of arms. See Heraldry.

Coeducation. See Woman, Education.

Coffee.

Refer from Agriculture; Beverages; Cookery; Stimulants and narcotics.

Coffins.

Refer from Archaeology; Burial.

Cog-wheels. See Gearing.

Coinage. See Free coinage; Money.

Coins and medals. See also Money.

Refer from Archaeology; Arts, fine; Gold; History; Medals; Money; Numismatics; Silver.

Cold. See also Frost; Heat.

Refer from Heat; Meteorology; Temperature.

Cold (disease). See also Bronchitis; Catarrh.

Refer from Catarrh; Medicine, practice of.

Coleoptera. See Beetles.

Collecting. See also article collected.

Collectivism. See Socialism.

College settlements. See Social settlements.

Colleges and universities. See also Agricultural colleges; Classical education; Education; Medical education; Students; University extension; Woman, Education.

Refer from Classical education; Education; Schools; Students; Universities.

Collisions. See also Shipwrecks.

Refer from Accidents; Navigation; Ship-wrecks.

Colonies. See also names of colonies and names of countries having colonies.

Refer from Colonization; Immigration; Political science; Sociology.

Colonization. See Colonies; also African colonization.

Color. See also Aniline colors; Chromolithography; Dyeing; Light; Painting. Refer from Chemistry; Chromatics;

Chromolithography; Dyeing; Light; Paint; Painting; Painting, mechanical; Pigments.

Color-blindness.

Refer from Blind; Eye; Light; Sight.

Color of animals.

Refer from Animal coloration; Evolution; Zoology.

Color of flowers. See also Fertilization of plants.

Refer from Botany; Evolution; Fertilization of plants; Flowers.

Color of man.

Refer from Complexion; Ethnology; Face; Man; Negroes; Physiology; Skin.

Color-sense.

Refer from Psychology; Senses; Vision. Colored people. See Freedmen; Negroes; Slavery.

Columns.

Refer from Architecture.

Combat, trial by. See Wager of battle.

Combustion. See also Fire; Smoke.

Refer from Chemistry; Fire; Heat.

Comedy. See Drama.

Comets.

Refer from Astronomy.

Comic literature. See Satire; Wit and humor.

Commandments, ten.

Refer from Bible; Decalogue; Ethics; Ten commandments.

Commentaries. See Bible, or other subject commented on.

Commerce. See also Adulterations; Advertising; Auctions; Bankruptcy; Banks; Bookkeeping; Bookselling; Business; Canals; Capital; Commercial correspondence; Commercial law; Commercial travelers; Competition; Contracts; Cooperation; Corporations; Credit; Docks; Dry-goods; Economics; Embargo laws; Exchange; Exportation; Fairs; Finance; Grangers; Groceries; Har-

bors; Hardware; Inland navigation; Insurance; Interest; Loans; Manufactures; Markets; Merchants; Money; Monopolies; Navigation; Panics; Partnership; Pawn-broking; Prices; Profit-sharing; Railroads; Signboards; Smuggling; Speculation; Stationery; Statistics; Steam navigation; Stocks; Tariff; Trade-marks; Trade-unions; Transportation; Trusts.

Refer from Arts, useful; Business; Carriers; Economics; Exportation; Finance; Imports; Manufactures; Merchandise; Merchants; Money; Navigation; Ocean; Ships; Trade; Transportation.

Commercial correspondence.

Refer from Business education; Commerce; Correspondence; Letter-writing. Commercial crises. See Panics.

Commercial education. See Business education.

Commercial law. See also Admiralty;
Agents; Arbitration, industrial; Assignments; Attachment; Bankruptcy; Carriers; Consuls; Contracts; Conveyancing; Corporations; Debt; Exchange; Insurance; Maritime law; Negotiable instruments; Partnership; Principal and agent; Sale; Trusts.

Refer from Admiralty; Business; Commerce; Consuls; Law; Mercantile law; Merchants; Negotiable instruments; Sale.

Commercial travelers.

Refer from Business; Commerce; Drummers; Merchants; Salesmen, traveling; Travelers.

Common carriers. See Carriers.

Common law. See also Law, and references under that subject.

Refer from Law.

Common schools. See Public schools.

Commonplace books.

Refer from Literature.

Commons (public grounds).

Refer from Land; Parks.

Commons, house of. See England.

Commonwealth of England. See England, History.

Commune, Paris. See France; Paris.

Communion. See Close communion; Lord's supper.

Communism. See also Individualism; Socialism.

Refer from Cooperation; Economics; Individualism; Labor; Political science; Profit-sharing; Property; Socialism; Sociology.

Commutators.

Refer from Electricity; Electromagnets.

Comparative anatomy, etc. Enter under subject compared, as Anatomy, Language, Theology, Zoology, etc.

Compass.

Refer from Magnetic needle; Magnetism; Mariner's compass; Navigation; Variation of the compass.

Compensation. See Damages; Wages.

Competition. See also Demand and supply; Monopolies.

Refer from Commerce; Demand and supply; Economics; Monopolies.

Competitive examinations. See Civil service; Examinations.

Complexion. See Color of man.

Composers. See Musicians.

Composite photography.

Refer from Photography.

Composition. See Arts, fine; Letter-writing; Painting; Printing; Rhetoric.

Composition, musical. See also Counterpoint; Harmony; Music.

Refer from Music.

Compressed air.

Refer from Air; Motors; Pneumatic transmission.

Compromise.

Refer from Ethics.

Compulsory education.

Refer from Education.

Concerts.

Refer from Amusements; Music.

Conchology. See Mollusks.

Concordance. See Bible; also names of—authors of whom concordances are made.

Concrete. See also Cement.

Refer from Cement; Masonry; Pavements.

Condemned books. See Prohibited books.

Conduct of life. See also Boys; Character; Christian life; Conversation; Duty; Ethics; Etiquette; Girls; Habit; Selfculture; Success; Young people.

Refer from Character; Christian life; Duty; Ethics, practical; Life; Selfculture; Success; Young men; Young women.

Confectionery.

Refer from Candy; Cookery; Manufactures.

Confession. See also Absolution; Creeds; Penance.

Refer from Absolution; Auricular confession; Catholic church; Church history; Church of England; Church polity; Penance; Repentance; Sin; Theology.

Confirmation. See also Church membership; Lord's supper.

Refer from Church membership; Church of England; Church polity; Protestant episcopal church in the U. S.; Rites and ceremonies; Sacraments; Theology.

Confiscation.

Refer from Law; Property.

Conflagrations. See Fires.

Confucianism.

Refer from Ancestor-worship; Religions.

Congregationalism. See also Antinomianism; Baptists; Brownists; Church polity; Dissenters; Friends, society of; Orthodoxy; Presbyterianism; Puritans; Unitarianism; Universalism.

Refer from Brownists; Calvinism; Church polity; Dissenters; Independents; Orthodoxy; Puritans; Sects.

Congress. See U. S., Congress; also names of places at which congresses were held or names of bodies holding them.

Conic sections. See also Curves; Geometry; Mathematics.

Refer from Curves; Geometry; Mathematics.

Conjuring. See also Witchcraft.

Refer from Amusements; Juggling; Legerdemain; Magic; Necromancy; Prestidigitation; Sleight of hand.

Consanguinity. See also Marriage.
Refer from Ethnology; Marriage.

Conscience. See also Liberty of conscience.
Refer from Cases of conscience; Casuistry;
Ethics; Religion; Theology.

Consciousness. See also Subconsciousness. Refer from Philosophy; Psychology.

Conscription.

Refer from Drafting; Military art and science.

Conservation. See Church dedication. Conservation of energy. See Force.

Conservatories. See Greenhouses.

Consolation

Refer from Affliction; Children; Death; Devotional exercises; Ethics; Religion; Suffering.

Conspiracies.

Refer from Criminal law; History.

Constables. See also Arrest.

Refer from County officers; Law; Police.

Constellations. See Astronomy; Stars.

Constitutional law.

Refer from Law; U. S., Constitution.

Constitutions. See this subhead under names of countries, states, etc.; also names of societies, etc.

Consuls. See also Commercial law; Diplomacy.

Refer from Commercial Law; Diplomacy; International law.

Consumption. See also Lungs.

Refer from Breathing; Chest; Lungs; Medicine, practice of; Tuberculosis.

Contagion. See also Bacteria; Black death; Cholera; Disinfection; Epidemics; Fever; Fumigation; Germ theory; Plague; Putrefaction; Quarantine; Scarlet fever; Smallpox; Typhoid fever; Yellow fever.

Refer from Epidemics; Hygiene, public; Infection; Medicine; Pathology; Putrefaction.

Contemporaries.

Refer from Biography.

Contentment. See also Happiness.

Refer from Ethics; Happiness; Pleasure.

Contracts. See also Assignments; Bailments; Debt; Deeds; Insurance; Mortgages; Partnership; Principal and agent; Sale.

Refer from Agreements; Commerce; Commercial law; Law; Principal and agent.

Contusions. See Bruises.

Conundrums. See Riddles.

Conventions. See names of political parties, denominations, societies, etc.

Convents. See also Abbeys; Monasteries; Monasticism; Nunneries.

Refer from Abbeys; Catholic church; Church history; Monasteries; Monasticism; Nunneries; Sisterhoods; Woman.

Conversation. See also Table-talk.

Refer from Conduct of life; Language; Rhetoric; Self-culture; Speech; Talking. Conversion. See also Christian life; Missions; Regeneration; Repentance; Revivals.

Refer from Christian life; Missions; Regeneration; Repentance; Revivals; Salvation; Theology.

Conveyancing. See also Deeds; Forms (in law); Real property.

Refer from Commercial law; Deeds; Forms (in law); Law; Property; Real property; Sale; Titles.

Convicts. See Criminals.

Cookery. See also Baking; Bread; Carving; Coffee; Confectionery; Cooking schools; Desserts; Diet; Dining; Dinners; Domestic economy; Food; Kitchen; Preserving; Salads.

Refer from Arts, useful; Baking; Bread; Carving (meat, etc.); Chemistry; Desserts; Diet; Dining; Domestic economy; Eating; Eggs; Food; Gastronomy; Kitchen; Pastry; Preserving; Receipts; Salads; Table, the; Vegetables.

Cooking schools.

Refer from Cookery; Education.

Cooperation. See also Building associations; Communism; Profit-sharing; Socialism; Trade-unions.

Refer from Association; Commerce; Economics; Labor; Profit-sharing; Socialism; Sociology; Trade-unions.

Cooperative building associations. See Building associations.

Copyright.

Refer from Authors; Books and reading; Bookselling; Intellectual property; International copyright; Law; Literary property; Literature; Playright; Property; Publishing.

Corn, Indian. See Maize.

Corn laws.

Refer from Agriculture; Economics; Law; Tariff.

Coronations. See also Crowns.

Refer from Crowns; Monarchy; Rites and ceremonies.

Coroners.

Refer from County officers; Death; Law.

Corporal punishment. See also Flogging.

Refer from Education; Flogging; Punishment; Rod, the; Teaching; Whipping.

Corporations. See also Bankruptcy; Bonds;

Clubs; Investments; Municipal corporations; Receivers; Stocks; Trusts.

Refer from Associations; Bonds; Commerce; Commercial law; Joint-stock companies; Law; Partnership; Societies; Sociology; Stock companies; Stocks.

Corpulence.

Refer from Fat; Food; Obesity.

Correlation of forces. See Force.

Correspondence. See Commercial correspondence; Letter-writing; Letters.

Corsairs. See Pirates.

Cosmetics. See also Perfumery; Toilet.

Refer from Beauty, personal; Costume; Toilet.

Cosmogony. See Universe.

Cosmography. See Universe.

Cosmology. See Universe.

Cost. See also Prices; Value.

Refer from Economics; Value.

Costs.

Refer from Actions at law; Law.

Costume. See also Arms and armor; Bracelets; Church vestments; Clothing; Cosmetics; Dressmaking; Fan; Fashion; Gloves; Hats; Head-gear; Hosiery; Jewelry; Masks; Millinery; Perfumery; Regalia; Shoes; Toilet; Umbrella.

Refer from Archaeology; Arts, fine;
Beauty, personal; Church vestments;
Clothing; Dress; Fashion; History;
Manners and customs; Millinery;
Regalia; Style; Toilet; Woman.

Cottages. See also Architecture, domestic.

Refer from Architecture, domestic;

Rural architecture; Villas.

Cotton. See also Dyeing; Textile fabrics; Weaving.

Refer from Agriculture; Fibres; Textile fabrics; Yarn.

Cough. See Bronchitis.

Councils. See also Church history; also names of places at which councils were held.

Refer from Catholic church; Church councils; Church history; Church law; Church polity; Fathers of the church; Synods.

Counterfeits. See also Bank notes; Imposture; Money; Paper money.

Refer from Bank notes; Imposture;
Money.

Counterpoint.

Refer from Composition, musical; Harmony; Music.

Country life. See also Agriculture; Camping; Gardening; Hunting; Outdoor life; Pastoral poetry; Peasantry; Sports. Refer from Outdoor life; Rural life.

County officers. See also Constables;

Coroners; Sheriffs.

Refer from Law; Local government.

Coup d'état. See France, History.

Courage. See also Heroes.

Refer from Ethics.

Court fools. See Fools. Courtesy. See Etiquette.

Courts. See also Chancery; Jurisdiction;

Law: Moot courts.

Refer from Law.

Courts martial. See also Military law.

Refer from Law: Military law.

Courtship. See also Love; Marriage.

Refer from Love; Marriage.

Covenanters. See also Church of Scotland. Refer from Church history; Church of Scotland; Presbyterianism.

Cow. See also Butter; Cattle; Cheese; Dairy: Milk.

Refer from Agriculture; Cattle; Dairy; Domestic animals: Milk.

Cranes.

Refer from Machinery.

Craniology. See Skull.

Crayon drawing.

Refer from Drawing.

Creation. See also Bible; Earth; Evolution; Geology; God; Man; Religion and science: Universe.

Refer from Bible; Earth; Evolution; Geology; God; Man; Natural religion; Philosophy; Religion and science; Theology; Universe.

Credit. See also Banks; Money.

Refer from Banks; Bills of credit; Bills of exchange; Business; Commerce; Debt; Economics; Finance; Money; Speculation.

Creeds. See also Apostles' creed; Athanasian creed; Catechisms; Nicene creed; also names of sects.

Refer from Belief; Catechisms; Church history; Church membership; Church of England; Confession; Faith; Symbolics; Symbolism (in theology); Theology.

Cremation.

Refer from Burial; Burning the dead;

Death; Hygiene, public.

Crests. See Heraldry.

Cribbage.

Refer from Cards.

Cricket

Refer from Ball; Games; Sports.

Crime. See also Brigands; Capital punishment; Criminal law; Criminals; Police; Prisons; Punishment; Reformatories; Robbers; Tramps; Trials; Woman,

Refer from Criminal law; Criminology; Dangerous classes; Ethics; Felony; Immorality; Law; Police: Political science; Prisons; Punishment; Sin; Sociology; Vice.

Crimean war. See also Russia; Turkey, etc. Refer from Eastern question; Russia; Turkey.

Criminal law. See also Adultery; Arrest; Assassination; Assault; Bail; Burglary; Capital punishment; Conspiracies; Crime; Criminals; Evidence; Infanticide; Jury; Kidnapping; Law, and references under that subject; Murder; Mutiny; Pirates; Prisons; Prostitution; Punishment; Smuggling; Suicide; Treason; Trials; Woman, Law.

Refer from Crime; Law; Punishment.

Criminals.

Refer from Biography; Convicts; Crime; Criminal law; Law.

Criminology. See Crime.

Crises. See Panics.

Criticism. See also Arts, fine; Esthetics; Literature; Music; Rhetoric; also the names of arts and literatures.

Refer from Esthetics; Literature; Rhetoric.

Refer from Games.

Cross. See also Crucifixion.

Refer from Christian art and symbolism; Crucifixion; Jesus Christ; Legends; Theology.

Croup.

Refer from Breathing; Children, Diseases; Medicine, practice of.

Crowns. See also Coronations.

Refer from Coronations; Regalia.

Crucifixion. See also Cross; Jesus Christ.

Refer from Cross; Punishment.

Cruelty. See also Animals, treatment of. Refer from Ethics.

Crusades. See also Children's crusade; Chivalry; Middle ages.

Refer from Chivalry; Church history; History; Middle ages.

Crustacea.

Refer from Invertebrates; Marine zoology; Zoology.

Cryptogams. See also Algæ; Ferns; Fungi; Lichens; Mosses.

Refer from Botany.

Cryptography. See Cipher.

Crypts. See also Tombs.

Refer from Church architecture; Tombs.

Crystallography. See also Mineralogy. Refer from Chemistry; Mineralogy.

Culture. See also Civilization; Education; Self-culture.

Refer from Civilization; Education; Ethics.

Cuneiform writing.

Refer from Alphabet; Inscriptions; Writing.

Cupping. See also Bloodletting.

Refer from Bloodletting; Therapeutics.

Curates.

Refer from Clergy; Ministers (of the gospel); Priests.

Curling.

Refer from Games; Sports.

Currency. See Money.

Currents. See Electric currents; Ocean; Winds.

Curves. See also Circle; Conic sections.

Refer from Conic sections; Engineering; Geometry.

Customs. See Manners and customs; Tariff.

Cutaneous diseases. See Skin.

Cutlery. See also Knives.

Refer from Hardware; Knives; Manufactures; Metal-work.

Cycling.

Refer from Bicycling; Locomotion; Sports; Tricyling; Velocipedes; Wheeling.

Cyclones. See Storms.

Cyclopedias.

Refer from Dictionaries; Encyclopaedias.

Daguerreotype. See also Photography.

Refer from Photography.

Dairy. See also Butter; Cattle; Cheese; Cow; Domestic animals; Milk.

Refer from Agriculture; Cattle; Cheese; Cow; Domestic economy; Milk.

Damages.

Refer from Compensation; Injuries; Law; Property.

Dancing. See also Ballet; Balls.

Refer from Amusements; Balls (parties);

Ethics; Etiquette.

Dangerous classes. See Crime; Poor.

Dark ages. See Middle ages.

Darwinism. See Evolution; Darwin, C.

Dates. See Chronology.

Day of judgment. See Judgment, day of.

Days. See also Birthdays; Fasts and feasts: Holidays; Night.

Refer from Time.

Deaconesses.

Refer from Church polity; Sisterhoods; Woman.

Deacons.

Refer from Church polity; Clergy.

Dead. See Death.

Deaf and dumb. See also Deafness; Sign language.

Refer from Deafness; Dumb; Ear; Education; Senses; Sign language; Speech.

Deafness. See also Deaf and dumb: Ear.

Refer from Deaf and dumb; Ear; Hear-

ing; Medicine, practice of: Senses.

Death. See also Autopsy; Biology; Burial; Consolation; Coroners; Cremation; Embalming; Funerals; Future life; Future punishment; Heaven; Hell; Murder; Purgatory; Resurrection; Suicide.

Refer from Biology; Dead; Ethics; Future life; Life; Theology.

Death penalty. See Capital punishment.

Death rate. See Mortality; Vital statistics.

Debates. See names of legislative bodies, etc., such as U. S., Congress.

Debating. See also Elocution; Oratory; Parliamentary practice.

Refer from Elocution; Oratory.

Debt. See also Assignments; Bankruptcy;

Refer from Bankruptcy; Commercial law; Contracts; Law.

Debts, public. See also the division Finance under the names of countries; Repudiation.

Refer from Economics; Finance; Repudiation

Decalogue. See Commandments, ten.

Decimal system, See also Metric system; Weights and measures.

Refer from Arithmetic; Metric system; Money; Weights and measures.

Declamation. See Elocution; Readers and speakers.

Decoration and ornament. See also Alphabets; Arabesque; Architecture; Arts, fine; Bas-relief; Book illustration; Brica-brac; Bronzing; Cabinet work; Carving; China painting; Church decoration and ornament; Church furniture; Embroidery; Enamel; Fan; Fancy work; Floral decoration; Frescoes; Furniture; Gems; Glass-painting; House decoration; Illumination; Jewelry; Metal work; Monograms; Mosaics; Painting; Pottery; Sculpture; Tapestry; Terra-cotta; Vases; Wall decoration; Wood-carving.

Refer from Architecture; Arts, fine; Arts, useful; Bric-a-brac; Cabinet work; Design; Drawing; Fancy work; House decoration; Ornament; Painting; Woodcarving.

Decoration day. See Memorial day.

Dedication of churches. See Church dedication.

Deeds. See also Conveyancing.

Refer from Contracts; Conveyancing; Land; Law; Real property.

Deformities. See also Monsters.

Refer from Orthopedics; Physiology; Surgery.

Degeneration. See also Evolution. Refer from Evolution; Physiology.

Deism. See also Atheism; Christianity; God; Theism.

Refer from Atheism; God; Natural religion; Philosophy; Religion; Skepticism; Theism; Theology...

Deluge, the. See also Bible.

Refer from Bible; Earth; Flood, the; Geology.

Delusions. See also Apparitions; Blunders; Illusions; Imposture; Superstition; Witchcraft.

Refer from Errors; Hallucinations; Humbug; Illusions; Insanity; Superstition.

Demand and supply. See also Competition; Exchange.

Refer from Competition; Economics; Exchange; Supply and demand.

Democracy. See also Despotism; Federal government; Liberty; Monarchy; Politi-

<u>cal science</u>; Referendum; Representation; Republics; Suffrage; Townmeeting.

Refer from Despotism; Federal government; Free institutions; Liberty; Monarchy; People; Political science; Presidential government; Republics.

Demonology. See also Apparitions; Devil; Witchcraft.

Refer from Angels; Apparitions; Devil; Evil spirits; Ghosts; Spirits; Superstition; Witchcraft.

Denominations. See Sects.

Dentistry. See Teeth.

Depravity. See also Sin.

Refer from Sin; Theology; Total depravity.

Dervishes.

Refer from Mohammedanism; Religions. Descent. See Genealogy; Heredity; Primogeniture.

Deserts.

Refer from Physical geography.

Design. See Arts, fine; Decoration; Drawing.

Despotism. See also Democracy; Liberty: Tyranny.

Refer from Democracy; Monarchy; Political science; Tyranny.

Desserts. See also Cookery.

Refer from Cookery.

Detectives. See also Police.

Refer from Police.

Development. See Embryology; Evolution. Devices. See also Emblems; Heraldry; Mottoes.

Refer from Emblems; Heraldry; Mottoes. Devil. See also Demonology.

Refer from Demonology; Satan; Superstition; Theology.

Devotion. See Devotional exercises; Prayer; Worship.

Devotional exercises. See also Church music; Consolation: Hymns; Liturgies; Lord's prayer; Lord's supper; Prayers; Responsive worship; Worship.

Refer from Christian life; Devotion; Meditations; Prayers; Religion; Worship.

Dew.

Refer from Meteorology; Night; Water.

Refer from Clinical medicine; Medicine; Pathology; Surgery; Symptoms.

Dialects. See also Americanisms: Slang. Refer from Language.

Dialing. See Sun-dials.

Dialogues. *See also* Readers and speakers. *Refer from* Drama; Literature: Readers and speakers.

Diamonds. See also Gems; Mineralogy; Precious stones.

Refer from Gems; Mineralogy; Precious stones.

Dictionaries. For dictionaries of any lanuage or subject see that subject; *also* Classical dictionaries; Cyclopedias.

Diet. See also Beverages; Cookery; Digestion; Food; Hygiene; Starvation; Stimulants and narcotics; Vegetarianism.

Refer from Cookery; Digestion; Food; Hygiene; Invalids; Nurses and nursing; Therapeutics.

Digestion. See also Diet; Dyspepsia; Stomach.

Refer from Diet; Dyspepsia; Food; Indigestion; Physiology; Stomach.

Dikes (engineering). See Earthwork; Embankments.

Dikes (geology).

Refer from Dykes; Geology.

Dining. See also Carving; Cookery; Dinners; Drinking customs; Eating; Food; Toasts.

Refer from Cookery; Dinners; Domestic economy; Drinking customs; Eating; Etiquette; Food; Gastronomy: Meals; Table, the.

Dinners. See also Dining.

Refer from Cookery; Dining.

Diplomacy. See also Ambassadors: Consuls: International law: Treaties.

Refer from Ambassadors; Consuls; International law; Ministers (of state); Political science; Statesmanship; Treaties.

Diplomatics. See Inscriptions; Manuscripts; Writing.

Directories. See names of cities, countries, etc.; also of trades, professions, etc.

Directory, French. See France, History.

Disasters. See Accidents; Fires; Floods; Shipwrecks.

Discoverers. See Discoveries; Explorers.

Discoveries (in geography). See also Explorers; Geography; Voyages.

Refer from Adventure; Discoverers; Ex-

plorers; Geography; Heroes; Voyages and travels.

Discoveries (in science). See Arts, useful; Inventions; Patents; Science.

Disease. See Pathology.

Disestablishment. See also Church and state; Church of England.

Refer from Church and state: Church of England; Church polity; State church.

Disinfection. See also Antiseptics; Fumigation.

Refer from Antiseptics; Cleanliness; Contagion; Fumigation; Hygiene, public; Putrefaction.

Dislocation. See also Fracture.

Refer from Bones: Fracture: Joints: Surgery.

Dispensaries. See also Hospitals.

Refer from Hospitals.

Dissection. See also Anatomy; Autopsy; Vivisection.

Refer from Anatomy.

Dissenters. See also Brownists: Church of England: Church rates: Congregationalism: Friends, society of: Nonconformists; Nonjurors: Presbyterianism; Puritans.

Refer from Church history; Church of England; Congregationalism; Liberty of conscience; Nonconformists; Puritans; Sects.

Distillation. See also Alcohol; Brandy; Brewing; Liquors.

Refer from Alcohol: Arts, useful; Brandy;
Brewing; Chemistry; Evaporation;
Liquors; Temperance.

Distribution of animals and plants. See Geographical distribution.

Divination. See also Clairvoyance; Dreams; Fortune-telling; Omens; Palmistry; Prophecies; Second sight.

Refer from Augury; Fortune-telling; Occult sciences; Omens; Prophecies; Superstition.

Diving. See also Pearls: Swimming.

Refer from Baths and bathing; Swimming.

Divinity. See Jesus Christ; Theology.

Divinity schools. See Theological schools.

Divorce. See also Marriage.

Refer from Church law; Ethics; Law; Marriage; Sociology; Woman, Law.

Docks. See also Harbors; Wharves.

Refer from Commerce; Dry docks;

Engineering; Harbors; Hydraulic engineering; Wharves.

Doctors. See Physicians.

Doctrines. See Theology.

Documents. See under name of body issuing, as U. S., Congress; Massachusetts, Labor bureau, etc.

Dog. See also Hydrophobia; also names of varieties of dogs.

Refer from Domestic animals; Hunting; Hydrophobia; Mammals.

Dogmatic theology. See Theology.

Dolls.

Refer from Amusements; Toys.

Domes.

Refer from Architecture; Roofs; Vaulting.

Domestic animals. See also Barns; Cage birds; Cat; Cattle; Cow; Dog; Domestication; Hog; Horse; Ox; Pigeons; Poultry; Sheep; Stables; Veterinary medicine; Zoology.

Refer from Agriculture; Animals; Beasts; Breeding; Cattle; Dairy; Domestication; Horse; Live Stock; Mammals; Pets; Quadrupeds; Stock breeding; Veterinary medicine; Zoology.

Domestic architecture. See Architecture, domestic.

Domestic economy. See also Arts, useful;
Brewing; Carving; Cleanliness;
Cookery; Dairy; Dining; Dressmaking;
Family; Fancy work; Food; Fuel; Furniture; Gardening; Guests; Heating;
Home; House decoration; Household
pests; Kitchen; Laundry; Needlework;
Receipts; Servants; Sweeping; Ventilation.

Refer from Agriculture; Arts, useful; Cookery; Domestic science; Family; Home; Household science; Housekeeping; Kitchen; Sweeping; Woman.

Domestic education. See aiso Children; Education; Family.

Refer from Education; Family; Home education; Parents.

Domestic relations. *See* Family; Marriage; Master and servant.

Domestic science. See Domestic economy. Domestication. See also Animals, training of; Domestic animals.

Refer from Animals, training of; Domestic animals; Zoology.

Domestics. See Servants.

Dominicans.

Refer from Monasticism.

Dominoes.

Refer from Games.

Doors. See also Gates.

Refer from Architecture.

Doubt. See Belief; Faith; Skepticism.

Drafting. See Conscription; Drawing.

Drainage. See also Irrigation. For the drainage of towns and buildings, see Sewerage.

Refer from Agriculture; Engineering; Hydraulic engineering; Irrigation; Landdrainage; Sewerage.

Drama. See also Acting: Actors; Actresses: Amateur theatricals: Charades: Dialogues: Dramatists: Masks: Miracleplays: Opera: Pantomime: Tableaux: Theatre.

Refer from Acting; Comedy; Literature; Miracle-plays; Plays; Poetry; Rhetoric; Stage: Theatre; Tragedy.

Dramatists.

Refer from Authors: Biography; Drama; Poets.

Draughting. See Drawing.

Draughts. See Checkers.

Drawing. See also Anatomy for artists;
Architectural drawing; Caricature;
Charcoal drawing; Crayon drawing;
Decoration and ornament; Geometrical
drawing: Graphics; Map drawing; Mechanical drawing; Perspective: Projection; Shadows; Topographical drawing.
Refer from Arts, fine; Design; Drafting;

Draughting; Graphic arts; Manual training; Painting; Perspective; Sculpture; Sketching.

Drawings.

Refer from Pictures.

Dreams. See also Apparitions; Fortune-telling; Nightmare; Sleep.

Refer from Brain; Divination; Fortunetellers; Fortune-telling; Mind and body; Night; Nightmare; Psychology; Sleep; Somnambulism; Superstition; Visions.

Dredging. See also Marine zoology; Ocean. Refer from Engineering; Marine zoology; Ocean.

Dress. See Clothing; Costume; Dressmaking.

Dressmaking. See also Needlework.

Refer from Clothing; Costume; Domestic economy; Dress; Needlework.

Drill. See Military art and science; Tactics.

Drinking customs. See also Dining; Eat-

ing; Temperance; Toasts.

Refer from Dining; Drunkenness; Eating; Manners and customs; Temperance.

Drinks. See Beverages; Liquors.

Driving. See also Coaching; Horseman-ship.

Refer from Coaching; Horse: Horseman-ship; Riding; Sports.

Drowning. See also Accidents; Life-saving. Refer from Accidents; Life-saving.

Drugs. See also Adulterations; Materia medica; Pharmacy.

Refer from Adulterations; Materia medica; Pharmacy; Therapeutics.

Drummers. See Commercial travelers.

Drunkenness. See Drinking customs; Temperance.

Dry docks. See Docks.

Dry-goods. See also Clothing; Hosiery; Textile fabrics.

Refer from Commerce; Textile fabrics.

Dueling. See also Wager of battle.

Refer from Ethics; Fencing; Manners and customs.

Duets.

Refer from Music.

Dumb. See Deaf and dumb.

Dungeons. See Prisons.

Duties. See Tariff.

Duty. See also Conduct of life; Ethics. Refer from Conduct of life; Ethics.

Dwarfs.

Refer from Man; Monsters; Pigmies; Pygmies.

Dwellings. See Architecture, domestic.

Dyeing. See also Aniline colors; Bleaching; Calico-printing; Cleaning; Color.

Refer from Aniline colors; Arts, useful; Bleaching; Chemistry; Cleaning; Color; Cotton; Pigments; Scouring; Textile fabrics; Wool.

Dykes. See Dikes (geology); Earthwork; Embankments.

Dynamics. See Force; Matter; Mechanics; Motion; Statics.

Dynamos. See also Electric motors.

Refer from Electric motors; Electricity; Motors.

Dyspepsia. See also Digestion.

Refer from Digestion; Medicine, practice of.

Ear. See also Deaf and dumb; Deafness; Hearing; Sound.

Refer from Anatomy; Deafness; Head; Hearing; Senses; Sound.

Earth. See also Antarctic regions; Arctic regions; Astronomy; Creation; Deluge; Earthquakes; Geodesy; Geography; Geology; Latitude; Longitude; Meteorology; Mines and mining; North pole; Physical geography; Tropics; Volcanoes.

Refer from Astronomy; Creation; Figure of the earth; Geodesy; Geography; Geology; Nature: Physical geography; Planets; Universe: World.

Earthquakes. See also Geology: Volcanoes.

Refer from Earth; Geology; Physical geography; Seismology: Volcanoes.

Earthwork. See also Embankments; Fortification: Foundations.

Refer from Dikes (engineering); Dykes; Embankments; Engineering; Excavations; Fortification; Foundations; Railroads.

Easements.

Refer from Land; Law; Real property.

Easter. See also Carols.

Refer from Fasts and feasts; Holy week; Jesus Christ; Lent.

Eastern churches. See also Greek church; Nestorians.

Refer from Church history.

Eastern question. See also Asia; Crimean war; Russia; Turkey; and other eastern countries.

Refer from History.

Eating (customs). See also Cookery: Dining: Drinking customs: Food.

Refer from Dining; Drinking customs; Food; Gastronomy; Manners and customs; Meals; Table, the.

Ecclesiastical. See Christian; Church.

Ecclesiastical antiquities. See Church antiquities.

Ecclesiastical architecture. See Church architecture.

Ecclesiastical art. See Christian art.

Ecclesiastical biography. See Christian biography.

Ecclesiastical ceremonies. See Rites and ceremonies.

Ecclesiastical costume. See Church vestments. Ecclesiastical fasts and feasts. See Fasts and feasts.

Ecclesiastical furniture. See Church furni-

Ecclesiastical history. See Church history.

Ecclesiastical law. See Church law.

Ecclesiastical polity. See Church polity.

Eclipses. See also Astronomy; Moon; Sun. Refer from Astronomy; Moon; Sun.

Eclogues. See Pastoral poetry.

Economics. See also Apprentices; Banks and banking; Capital; Charities; Commerce; Communism; Competition; Cooperation; Corn laws; Cost; Credit; Debts, public; Demand and supply; Exchange; Factory system; Finance; Gilds; Individualism; Interest; Investments; Labor; Land; Manufactures; Money; Monopolies; Panics; Poor; Population; Precious metals; Prices; Profit-sharing; Property; Rent; Socialism; Speculation; Statistics; Stock exchange; Stocks; Strikes and lockouts; Tariff; Taxation; Trade-unions: Trusts; Value; Wages; Wealth.

Refer from Business; Commerce; Labor; Political economy; Political science; Prices; Science; Social science; Socialism; Sociology; Tariff; Taxation; Wealth.

Education. See also Agricultural education; Art education; Bible in the schools; Blind; Business education; Charity schools; Child study; Children; Classical education; Colleges and universities; Compulsory education; Cooking schools; Corporal punishment; Culture; Deaf and dumb; Domestic education; Ethics; Examinations; Grammar schools; Gymnastics; High schools; Kindergarten; Knowledge; Libraries; Lyceums; Manual training; Medical education; Memory; Military education; Moral education; Musical education; Nature study; Normal schools; Object-teaching; Physical education; Psychology; Public schools; Ragged schools; Reformatories; Religious education; School-houses; School hygiene; School music; Schools; Scientific education; Self-culture; Students; Sunday schools; Teachers; Teaching; Technical education; Text-books: Theological education; University extension; Woman; Young people; also names of studies.

Refer from Children; Civilization; Colleges and universities; Culture; Domestic education; Ethics; Girls; Knowledge; Learning; Mental discipline; Psychology; Public schools; Schools; Self-culture; Sociology; Students; Teachers; Teaching; Training; Young people.

Eggs. See also Birds; Cookery; Embryology; Poultry.

Refer from Birds; Nests; Oology; Poultry.

Eight hour day. See Hours of labor.

Elasticity. See also Strength of materials. Refer from Strength of materials.

Election (in politics). See also Ballot; Caucus; Citizenship; Minorities; Representation; Suffrage.

Refer from Ballot; Caucus; Political science; Suffrage; Voting.

Election (in theology). See Predestination. Electric batteries. See also Cell, voltaic; Storage batteries.

Refer from Batteries; Cell, voltaic; Primary batteries.

Electric bells.

Refer from Bells.

Electric currents. See also Electric measurement: Electric potential: Electric testing: Electric transformers.

Refer from Alternating currents; Currents; Electric potential; Electric transformers.

Electric engineering. See also Armatures; Electricity; Telegraph; also headings beginning with Electric.

Refer from Arts, useful; Engineering; Machinery.

Electric lamps. See also Electric light.

Refer from Arc lamps; Electric light; Incandescent lamps; Lamps.

Electric light. See also Electric lamps; Electric wires.

Refer from Electric lamps; Light; Lighting.

Electric measurement. See also Electric testing; Galvanometer.

Refer from Electric currents; Electric testing; Galvanometer; Units; Weights and measures.

Electric motors. See also Dynamos. Refer from Dynamos; Motors.

Electric potential. See also Electric currents.

Refer from Electric currents; Potential. Electric railroads. See also Storage batteries.

Refer from Railroads: Street-railroads.

Electric telegraph. See Telegraph.

Electric testing. See also Electric measurement.

Refer from Electric currents; Electric measurement; Testing.

Electric transformers. See also Electric currents.

Refer from Electric currents; Transformers.

Electric waves.

Refer from Waves.

Electric wires.

Refer from Cables; Electric light; Telegraph; Wire.

Electrical. See Electric.

Electricians.

Refer from Biography; Scientists.

Electricity. See also Animal electricity; Armatures; Cell, voltaic; Commutators; Dynamos; Electrotherapeutics; Induction coils; Lightning; Magnetism; Medical electricity; Phonograph; Telegraph; Telephone; X rays; also headings beginning with Electric, Electro.

Refer from Electric engineering; Galvanism; Lightning; Magnetism; Meteorology; Physics; Voltaic electricity.

Electrochemistry. See also Electrometal-lurgy.

Refer from Chemistry.

Electromagnets. See also Armatures; Commutators.

Refer from Magnetism.

Electrometallurgy.

Refer from Electrochemistry; Galvanoplasty; Metals.

Electroplating.

Refer from Plating; Silverplating.

Electrotherapeutics.

See Medical electricity.

Electrotyping.

Refer from Printing.

Elegiac poetry.

Refer from Poetry.

Elocution. See also Debating; Eloquence; Expression; Gesture; Orations; Orators; Oratory; Preaching; Pronunciation: Readers and speakers; Rhetoric; Ventriloquism; Voice.

Refer from Debating; Declamation; Eloquence; Expression; Gesture; Language; Oratory; Reading; Rhetoric; Speaking; Speech; Voice.

Eloquence. See also Elocution; Oratory. Refer from Elocution; Oratory; Rhetoric.

Elves. See Fairies.

Emancipation. See Catholic church; Slavery; Woman, etc.

Embalming. See also Mummies.

Refer from Burial: Death: Mummies.

Embankments. See also Earthwork.

Refer from Dikes (engineering); Dykes; Earthwork; Engineering; Hydraulic engineering; Rivers.

Embargo laws.

Refer from Commerce: International law. Emblems. See also Christian art and symbolism: Devices: Symbolism.

Peter from Dovices: Literature: Symbol.

Refer from Devices; Literature; Symbolism.

Embroidery. See also Needlework.

Refer from Arts, fine; Decoration and
ornament: Fancy work; Needlework;
Textile fabrics.

Embryology. See also Biology; Cells.

Refer from Biology; Cells: Development; Eggs: Evolution: Morphology; Physiology; Protoplasm; Zoology.

Emergencies. See Accidents.

Emigration. See Immigration.

Emotions. See also Ethics; Pain; Passions; Pleasure; Psychology.

Refer from Ethics; Feelings; Passions; Philosophy; Psychology.

Emperors.

Refer from Biography; Kings; Monarchy; Rulers; Sovereigns.

Enamel.

Refer from Arts, fine; Decoration and

Encyclopaedias. See Cyclopedias; also name of subject treated.

Endless punishment. See Future punishment.

Energy. See Force.

Engineering. See also Aerial navigation;
Aqueducts; Arches; Architecture; Arts,
useful; Blasting; Boring; Breakwaters;
Bridges; Building materials; Canals;
Curves; Docks; Drainage; Dredging;
Earthwork; Electric engineering; Em-

bankments; Engineers; Engines; Foundations; Geometrical drawing; Girders; Harbors; Hydraulic engineering; Irrigation; Machinery; Masonry; Mechanical drawing; Mechanics; Mensuration; Military engineering; Mines and mining; Railroads; Roads; Sanitary engineering; Statics; Steam-engine; Strength of materials; Subways; Surveying; Tunnels; Walls; Water-supply; Wells.

Refer from Arts, useful; Building; Civil engineering; Hydraulic engineering; Machinery; Mathematics; Mechanical engineering; Mechanics; Military engineering; Mines and mining; Railroads; Surveying.

Engineers.

Refer from Biography; Engineering.

Engines. See also Air-engine; Fire-engine;
Fuel; Gas-engine; Locomotives;
Pumps; Steam-engine. On an all
Refer from Engineering; Machinery;
Motors.

England, church of See Church of England.

Engravers. See also Artists.

Refer from Artists; Biography.

Engraving. See also Arts, fine; Bank notes; Book illustration; Engravings; Esthetics; Etching; Gems; Lithography; Photo-engraving; Wood-engraving. Refer from Arts, fine; Arts, useful; Book illustration; Etching; Graphic arts.

Engravings. See also Etchings.

Refer from Engraving; Pictures; Prints.

Enigmas. See also Riddles.

Refer from Amusements; Puzzles; Riddles.

Ensilage.

Refer from Agriculture: Silos.

Enteric fever. See Typhoid fever.

Entertainments. See Amusements.

Entomology. See Insects.

Environment. See also Evolution.

Refer from Evolution.

Ephemerides. See Nautical almanacs.

Epic poetry.

Refer from Poetry.

Epicureans.

Refer from Ethics; Philosophy.

Epidemics. See also Black death; Cholera;

Contagion; Fever; Plague; Smallpox; Yellow fever.

Refer from Contagion; Hygiene, public; Pathology; Plague.

Epigrams. See also Maxims; Proverbs; Quotations; Table-talk; Toasts.

Refer from Aphorisms: Apothegms; Literature: Maxims; Poetry; Proverbs; Quotations; Sayings; Wit and humor.

Epigraphy. See Inscriptions: Writing.

Episcopacy. See also Apostolic succession; Archbishops; Bishops; Catholic church; Church of England; Methodism; Ordination; Protestant episcopal church.

Refer from Apostolic succession: Bishops: Catholic church; Church history; Church of England; Church polity; Methodism: Protestant episcopal church.

Episcopal church. See Church of England; Methodist episcopal church; Protestant episcopal church.

Epitaphs. See also Brasses.

Refer from Archaeology; Biography; Burial; Cemeteries; Inscriptions; Literature; Tombs; Tombstones.

Equations. See also Algebra.

Refer from Algebra: Mathematics.

Equilibrium. See Statics.

Equinoxes.

Refer from Astronomy.

Equity. See also Actions at law; Chancery.

Refer from Actions at law; Chancery; Law.

Erosion. See also Glaciers; Valleys.

Refer from Geology; Glaciers: Physical geography: Rivers; Valleys; Water.

Erratics. See Boulders.

Errors. See Blunders; Delusions; Probabilities.

Escapes. See also Adventure.

Refer from Adventure.

Eschatology. See Future life.

Esoteric Buddhism. See Theosophy.

Essays.

Refer from Literature.

Essenes.

Refer from Jews; Religions.

Esthetics. See also Art; Arts, fine; Criticism; Grotesque; Landscape; Music; Picturesque.

Refer from Acsthetics; Art; Arts, fine; Beautiful, the; Criticism; Engraving; Painting; Philosophy; Picturesque; Psychology; Rhetoric; Sculpture;

Etching. See also Engraving; Etchings. Refer from Arts, fine; Engraving.

Etchings.

Refer from Engravings; Etching: Pict-

Eternal life. See Future life.

Eternity. See also Future life.

Refer from Future life; Philosophy;

Ether. See also Anesthetics.

Refer from Anesthetics.

Ethics. See also Affliction; Amusements; Animals, treatment of: Capital punishment; Celibacy; Character; Charity; Chastity: Children: Christian life; Civilization; Commandments, ten; Compromise: Conscience: Consolation: Contentment; Courage; Crime; Cruelty; Culture; Dancing; Death; Divorce; Dueling; Duty; Education; Emotions; Epicureans; Etiquette; Evil; Family; Fiction; Friendship; Gambling; Girls; Habit; Happiness; Heredity; Home; Interest; Law; Liberty; Liberty of conscience; Liberty of the will; Lotteries; Love; Lying; Manners and customs; Marriage; Moral education; Oaths; Parents; Passions; Patience; Patriotism; Peace; Philosophy; Pleasure; Political science; Poor; Progress; Religion; Repentance; Self-culture; Sin; Slave-trade; Slavery; Sociology; Solitude; Soul; Stoics; Success; Suicide; Sunday; Swearing; Temperance; Temptation; Theatre; Truth; Utilitarianism; Virtue; Vivisection; Will; Woman; Young men; Young people; Young women.

Refer from Character; Civilization; Conduct of life; Duty; Education; Emotions; Family; Immorality; Life; Man; Moral philosophy; Natural religion; Philosophy; Philosophy, moral; Psychology; Religion; Right and wrong; Science; Sociology; Theology; Vice; Virtue; Will.

Ethics, practical. See Conduct of life.

Ethnography. See Ethnology.

Ethnology. See also Archaeology; Aryans; Cannibalism; Climate; Color of man; Consanguinity; Evolution; Folk-lore; Gipsies; Indians; Lake-dwellings; Language; Man; Mound-builders; Mythology; Negroes.

Refer from Anthropology; Archaeology; Ethnography; Geography; History; Man; Races of man; Science.

Etiquette. See also Dancing; Dining; Letter-writing; Marriage.

Refer from Behavior; Ceremonies; Conduct of life; Courtesy; Ethics; Ladies; Manners; Manners and customs; Politeness; Self-culture; Society; Sociology; Usages; Woman.

Etymology. See also Names; Words; also names of languages.

Refer from Grammar; Language; Words. Eucharist. See Lord's supper.

Euchre.

Refer from Cards.

Evangelists. See Apostles; Bible; Missionaries.

Evaporation. See also Distillation.

Refer from Chemistry; Meteorology; Vapor.

Evergreens. See also Forestry: Trees.

Refer from Forestry: Landscape garden-

ing; Trees.

Evidence. See also Certainty; Logic.

Refer from Actions at law: Circumstantial evidence: Criminal law: Faith:
Law: Logic: Philosophy: Proof: Testimony: Trials: Witnesses.

Evidences of Christianity. See Christianity. Evidences of the Bible. See Bible.

Evil. See also Sin: Temptation.

Refer from Ethics : Religion : Temptation ; Theology.

Evil spirits. See Demonology.

Evolution. See also Biology; Color of animals; Color of flowers: Creation; Degeneration; Embryology: Environment; Heredity; Man; Religion and science; Species.

Refer from Biology; Botany; Creation;
Darwinism; Degeneration; Development; Environment; Ethnology; Geology; Heredity; Man; Materialism;
Natural history; Natural selection;
Origin of species; Philosophy; Religion and science; Science; Species; Variation of species; Zoology.

Ex libris. See Bookplates.

Examinations. See also Civil service.

Refer from Civil service; Competitive examinations; Education; Teaching.

Excavations. See Archaeology; Earthwork. Exchange. See also Demand and supply;

Money; Stocks.

Refer from Banks; Bills of exchange; Business; Cambistry; Commerce; Commercial law; Demand and supply; Economics; Finance; Foreign exchange; Money; Negotiable instruments.

Excommunication.

Refer from Catholic church; Church polity. Executive power. See also Monarchy; Presidents.

Refer from Political science; Presidents. Executors. See Administrators and executors.

Exercise. See also Gymnastics; Physical education; Training.

Refer from Hygiene; Physical education; Therapeutics.

Exhibitions. See also Agricultural exhibitions; Art galleries; Museums.

Refer from Arts, fine; Arts, useful; Expositions; Industrial exhibitions; International exhibitions; Museums; World's fairs.

Exorcism. See Witchcraft.

Experiments. See Chemistry; Physics, etc.

Explorers. See also Discoveries; Geography; Travelers; Voyages.

Refer from Adventure; Biography; Discoverers; Discoveries (in geography); Geography; Heroes; Travelers; Voyages and travels.

Explosions. See also Boilers.

Refer from Accidents.

Explosives. *See also* Blasting; Guncotton; Gunpowder; Torpedoes.

Refer from Blasting; Chemistry; Gunnery; Military art and science; Mines and mining.

Exportation. See also Commerce; Tariff; Transportation (of criminals).

Refer from Commerce; Tariff.

Expositions. See Exhibitions.

Expression. See also Anatomy for artists; Elocution; Physiognomy; Rhetoric.

Refer from Acting; Anatomy for artists; Elocution; Face.

Eye. See also Blind; Color-blindness; Light; Sight; Spectacles.

Refer from Anatomy; Face; Head; Light; Ophthalmia; Senses; Sight; Vision. Fables.

Refer from Animals, legends and stories of; Fiction; Literature; Parables.

Face. See also Color of man; Expression; Eye; Mouth; Nose; Physiognomy. Refer from Head.

Facetiæ. See Wit and humor.

Factories. See also Factory system; Mills.

Refer from Arts, useful; Manufactures;

Mills.

Factors. See Agents.

Factory system.

Refer from Economics: Factories; Labor; Manufactures.

Faience. See Pottery.

Fairies. See also Fairy tales.

Refer from Elves; Fairy tales; Goblins; Superstition.

Fairs.

Refer from Amusements; Commerce. Fairy tales. See also Fairies; Folk-lore.

Refer from Fairies: Fiction: Folk-lore;

Legends: Literature; Mythology; Stories.

Faith. See also Agnosticism; Belief; Certainty; Creeds; Evidence; Justification; Religion; Sects; Skepticism; Theology; Truth.

Refer from Belief; Certainty; Christian life; Doubt; Justification; Religion; Theology.

Faith-cure. See also Christian science; Mind and body; Subconsciousness.

Refer from Mind-cure; Subconsciousness; Therapeutics.

Falconry.

Refer from Birds; Fowling; Hawking; Hunting; Sports.

Fall. See Autumn.

Fall of man. See also Sin.

Refer from Bible; Paradise; Sin; Temptation; Theology.

Fallacies. See also Logic.

Refer from Logic.

Falling stars. See Meteors.

Falls. See Waterfalls.

Families. See Genealogy.

Family. See also Children; Domestic economy; Domestic education; Ethics; Fathers; Home; Husbands; Marriage; Mothers; Parents; Widows; Wives; Woman.

Refer from Children; Domestic economy; Domestic education; Domestic relations; Ethics; Family; Home; Husbands; Man; Parents; Sociology;

Wives; Woman.

Family prayer. See Prayer; Prayers.

Famines. See also Starvation.

Refer from History; Starvation.

Fan.

Refer from Costume; Decoration and ornament.

Fanaticism. See also Persecution.

Refer from Religion; Theology.

Fancy work. See also Artificial flowers;
Decoration and ornament; Embroidery;
Knitting; Lace; Leather work; Needlework.

Refer from Decoration and ornament; Domestic economy; House decoration; Knitting; Needlework; Woman.

Farming. See Agriculture.

Farriery. See Horse.

Fashion. See also Costume.

Refer from Costume; Style.

Fasting. See also Asceticism; Lent; Starvation.

Refer from Abstinence; Asceticism; Theology.

Fasts and feasts. See also Advent; Ash Wednesday; Christmas; Easter; Festivals; Good Friday; Holidays; Holy week; Lent; Sunday; Thanksgiving day.

Refer from Catholic church; Church antiquities; Church ceremonies; Church festivals; Church of England; Church polity; Days; Ecclesiastical fasts and feasts; Feasts; Festivals; Holidays; Protestant episcopal church in the U.S.; Religion; Religious festivals; Rites and ceremonies.

Fat. See Corpulence; Oil.

Fate. See also Fortune-telling.

Refer from Philosophy.

Fathers. See also Children; Parents.

Refer from Children; Family; Husbands; Parents.

Fathers of the church. See also Apocryphal gospels; Apostolic constitutions; Apostolic fathers; Councils; Saints.

Refer from Apostolic fathers; Biography; Catholic church; Christian biography; Church fathers; Church history; Patristics; Saints; Theology.

Fauna. See Zoology.

Fauns.

Refer from Mythology.

Fayence. See Pottery.

Feasts. See Fasts and feasts.

Federal government. See also Democracy;

Republics; Secession.

Refer from Democracy; Free institutions; Political science; Republics.

Feeble-minded. See Idiocy.

Feeling. See Touch.

Feelings. See Emotion.

Feet. See Foot.

Felony. See Crime.

Female. See Woman.

Fences. See also Gates.

Refer from Architecture.

Fencing. See also Dueling: Sword.

Refer from Amusements; Military art and science; Sports; Sword.

Fenians. See also Ireland, History.

Refer from Secret societies.

Fermentation. See also Bacteria.

Refer from Bacteria; Chemistry; Liquors.

Ferns.

Refer from Botany; Cryptogams; Filices.

Ferries.

Refer from Inland navigation; Transportation.

Fertilization of plants. See also Color of flowers.

Refer from Botany; Color of flowers; Flowers; Insects.

Fertilizers. See also Agricultural chemistry; Manures: Phosphates.

Refer from Agricultural chemistry; Agriculture; Manures.

Festivals. See also Fasts and feasts; Holidays; Pageants; Processions.

Refer from Amusements; Fasts and feasts; Religious festivals.

Fetishism. See also Idolatry.

Refer from Idolatry; Superstition; Worship.

Feudalism. See also Chivalry; Middle ages.
Refer from Chivalry; Knighthood; Land;
Law; Middle ages; Political science;
Sociology; Vassals.

Fever. See also Bilious fever; Hay-fever; Malarial fever; Scarlet fever; Typhoid fever; Typhus fever; Yellow fever.

Refer from Contagion; Epidemics; Pathology.

Fibres. See also Cotton; Flax; Hemp; Silk; Textile fabrics; Wool.

Refer from Hemp; Linen; Textile fabrics. Fiction. See also Allegories; Fables; Fairy tales; Historical fiction; Legends; Novelists; Romances.

Refer from Ethics; Literature; Novels; Romance; Romances; Stories.

Fictitious names. See Pseudonyms.

Fiddle. See Violin.

Field-sports. See Hunting; Sports.

Fighting. See Boxing; Bull fights; Gladiators; Military art and science; Naval art and science; Tournaments.

Figure of the earth. See Earth; Geodesy. Figure painting. See also Anatomy for artists. Refer from Anatomy for artists; Human figure; Painting.

Filibusters. See Buccaneers.

Filices. See Ferns.

Finance. See also Banks; Bimetallism;
Bonds; Commerce; Credit; Debts,
public; Exchange; Interest; Investments; Loans; Money; Panics; Prices;
Repudiation; Stocks; Tariff; Taxation;
Wealth.

· Refer from Banks; Bimetallism; Bonds; Business; Commerce; Economics; Funds; History; Income, public; Loans; Money; Paper money; Political science; Revenue; Taxation; Wealth.

Finding lists. See Library catalogs.

Fine arts. See Arts, fine.

Finger rings. See Rings.

Finite. See Infinite.

Fire. See also Combustion; Fires; Fuel; Heat; Heating; Smoke.

Refer from Chemistry; Combustion; Heat.

Fire-engine.

Refer from Engines; Fires; Steamengine.

Fire-insurance. See Insurance.

Fire-worshipers. See also Parsees.

Refer from Worship.

Firearms. See also Ammunition; Arms and armor; Arsenals; Artillery; Gun; Guncotton; Gunnery; Gunpowder; Ordnance; Pistol; Projectiles; Rifle; Shooting.

Refer from Ammunition; Arms and armor; Gun; Gunnery; Military art and science; Ordnance; Projectiles; Rifle; Weapons.

Fires. See also Chimneys; Fire-engine; Insurance.

Refer from Conflagrations; Disasters; Fire; Life-saving.

Fireworks.

Refer from Pyrotechnics.

Fish. See also Aquarium; Fish-culture; Fisheries; Fishing.

Refer from Fisheries; Ichthyology; Marine zoology; Vertebrates; Zoology. Fish-culture.

Refer from Fish; Pisciculture.

Fisheries. See also Fish; Fishing; Seal.

Refer from Arts, useful; Fish.

Fishing. See also Game laws.

Refer from Angling; Fish; Fisheries; Hunting; Outdoor life; Sports.

Flagellation. See Flogging.

Flags.

Refer from Banners; Heraldry; Military art and science; Signals; Standards.

Flats. See Apartment houses.

Flax. See also Linen.

Refer from Agriculture; Fibres; Linen; Textile fabrics: Yarn.

Flight. See also Aerial navigation; Animal locomotion; Birds; Wings.

Refer from Aerial navigation; Animal locomotion; Birds; Flying; Locomotion; Wings.

Flogging. See also Corporal punishment.

Refer from Corporal punishment; Flagellation; Punishment; Rod, the; Whipping.

Flood, the. See Deluge.

Floods.

Refer from Disasters; History; Inundations; Rivers.

Floors. See also Carpets; Mosaics; Pavements; Sweeping.

Refer from Architecture; Carpentry.

Flora. See Botany.

Floral decoration. See also Church decoration and ornament.

Refer from Church decoration and ornament; Decoration and ornament; Flowers.

Floriculture. See also Annuals; Bulbs; Flowers; Gardening; Greenhouses; Orchids; Window-gardening.

Refer from Agriculture; Arts, useful; Botany; Flowers; Gardening; Horticulture; Plants; Window-gardening.

Flour.

Refer from Bread; Food; Manufactures; Wheat.

Flowers. See also Artificial flowers; Botany; Buds; Color of flowers; Fertilization of

plants; Floral decoration; Floriculture; Gardening; Odors; Orchids; Wax flowers; Window-gardening.

Refer from Botany; Floriculture; Plants. Fluids. See also Gases; Hydraulic engineer-

ing; Liquids; Mechanics.

Refer from Hydraulic engineering; Hydraulics; Hydrodynamics; Hydromechanics; Hydrostatics; Liquids; Mechanics; Physics.

Fluxions. See Calculus.

Flying. See Flight.

Flying-machines. See Aerial navigation.

Fog.

Refer from Meteorology: Water.

Folk-lore. See also Fairy tales; Folk-songs; Legends; Manners and customs; Mythology; Sagas; Superstition.

Refer from Archaeology; Ethnology; Fairy tales; Folk-songs; Legends; Literature; Man; Manners and customs; Mythology; People; Sagas; Superstition; Traditions.

Folk-songs. See also Ballads; Folk-lore; National songs; Songs.

Refer from Ballads; Folk-lore; National songs; Songs.

Fonts. See Baptismal fonts.

Food. See also Adulterations; Alcohol; Animal food; Beverages; Bread; Butter; Cannibalism; Cookery; Corpulence; Diet; Digestion; Dining; Eating; Flour; Fruit; Grain; Groceries; Hygiene; Liquors; Markets; Meat; Milk; Mushrooms; Oyster; Stimulants and narcotics; Sugar; Temperance; Vegetables; Vegetarianism.

Refer from Adulterations; Analysis of food; Beverages; Cookery; Diet; Dining; Domestic economy; Eating; Gastronomy; Meals; Table, the.

Fools. See also Idiocy.

Refer from Court fools; Jesters; Wit and humor.

Foot. See also Hosiery; Shoes. Refer from Anatomy; Feet.

Football.

Refer from Ball; Games; Sports.

Footprints, fossil.

Refer from Fossil footprints; Ichnology; Paleontology.

Force. See also Mechanics.

Refer from Conservation of energy; Correlation of forces; Dynamics; Energy; Kinematics; Kinetics; Mechanics; Motion; Philosophy; Physics; Power.

Foreign exchange. See Exchange. Foreign missions. See Missions.

Forestry. See also Arbor-day; Evergreens; Grafting; Landscape gardening; Lumbering; Pruning; Timber; Trees.

Refer from Agriculture; Arbor-day; Arboriculture; Botany; Evergreens; Forests; Gardening; Landscape gardening; Lumbering; Planting; Timber; Trees; Wood; Woods.

Forests. See Forestry.

Forms (in law). See also Actions at law; Affidavits; Conveyancing; Pleading.

Refer from Actions at law; Conveyancing; Law; Pleading.

Fortification. See also Earthwork; Gunnery; Military architecture.

Refer from Architecture, military; Earthwork; Military architecture; Military art and science; Military engineering; Sieges.

Fortune-tellers. See also Dreams.

Refer from Book of fate.

Fortune-telling. See also Astrology; Clair-voyance; Divination; Dreams; Palmistry.

Refer from Amusements; Cards; Divination; Dreams; Fate; Prophecies; Superstition.

Fossil footprints. See Footprints, fossil.

Fossils. See Paleontology.

Foundations. See also Earthwork; Masonry; Walls.

Refer from Architecture; Earthwork; Engineering; Masonry; Walls.

Founding. See Casting.

Foundlings. See also Adoption.

Refer from Children; Orphans

Fountains. See also Springs.

Refer from Archaeology; Architecture; Hydraulic engineering; Water-supply.

Fourth of July.

Refer from Holidays; Independence day.

Fowl. See Poultry.

Fowling. See Falconry.

Fracture. See also Dislocation.

Refer from Bones; Dislocation; Surgery.

Franciscans. See also Capuchins.

Refer from Capuchins; Monasticism.

Free agency. See Liberty of the will.

Free churches.

Refer from Church polity; Churches.

Free coinage. See also Bimetallism; Money; Silver.

Refer from Bimetallism; Coinage; Money; Silver.

Free institutions. See also Democracy; Federal government; Liberty; Representation; Republics.

Refer from Liberty; Political science.

Free religion. See also Free thought; Liberty of conscience; Rationalism.

Refer from Free thought; Rationalism; Religion; Religious liberty; Theology; Unitarianism.

Free schools. See Public schools.

Free speech. See Liberty of speech.

Free thought. See also Agnosticism; Free religion; Rationalism; Religious liberty; Skepticism.

Refer from Free religion; Rationalism; Religious liberty; Skepticism.

Free trade. See Tariff.

Free will. See Liberty of the will.

Freedmen. See also Negroes; Slavery.

Refer from Colored people; Negroes; Slavery.

Freedom. See Liberty; Slavery.

Freedom of the press. See Liberty of the press.

Freedom of the will. See Liberty of the will.

Freemasonry.

Refer from Knights templars; Masons; Secret societies; Templars.

Fresco painting. See Frescoes.

Frescoes. See also Wall decoration.

Refer from Arts, fine; Decoration and ornament; Fresco painting; House painting; Painting; Wall decoration.

Fret cutting. See Wood-carving.

Friars. See Monasticism.

Friction.

Refer from Machinery; Mechanics; Physics

Friendly societies. See also Building associations; Insurance; Odd-fellows.

Refer from Benefit societies; Insurance; Labor; Mutual benefit societies; Poor; Societies; Sociology.

Friends, society of.

Refer from Congregationalism; Dissenters; Persecution; Puritans; Quakers; Sects.

Friendship. See also Love.

Refer from Ethics; Love.

Frost.

Refer from Cold; Geology; Meteorology; Water.

Fruit. See also Agriculture; Gardening; Grafting; Grape; Preserving; Pruning. Refer from Agriculture; Arboriculture; Botany; Food; Gardening; Horticulture; Orchards; Pomology; Trees.

Fuel. See also Coal; Gas; Peat; Petroleum.
Refer from Boilers; Domestic economy;
Engines; Fire; Heating; Manufactures.

Fumigation See also Disinfection.

Refer from Contagion; Disinfection; Smoke.

Funds. See Finance.

Funerals. See also Burial; Burial service.

Refer from Burial; Church antiquities;

Death; Manners and customs; Rites and ceremonies.

Fungi. See also Bacteria; Mould; Mush-rooms.

Refer from Agricultural pests; Botany; Cryptogams; Microbes; Mould; Mushrooms; Mycology; Parasites; Pests.

Furniture. See also Beds; Cabinet work; Candlesticks; Chairs; Church furniture; House decoration; Lamps; Mirrors; Upholstery; Wood-carving.

Refer from Arts, fine; Arts, useful; Cabinet work; Decoration and ornament; Domestic economy; House decoration; Interior decoration; Manufactures; Upholstery; Wood-carving.

Future life. See also Annihilation; Death; Eternity; Future punishment; Heaven; Hell; Judgment, day of; Millennium; Purgatory; Resurrection; Salvation; Soul; Spiritualism; Transmigration.

Refer from Annihilation; Death; Eschatology; Eternal life; Eternity; Future punishment; Hades; Heaven; Hell; Immortality; Intermediate state; Judgment, day of; Life; Man; Millennium; Natural religion; Philosophy; Probation; Psychology; Purgatory; Religion; Resurrection; Retribution; Salvation; Soul; Theology; Universalism.

Future punishment. See also Future life; Hell; Purgatory; Universalism.

Refer from Death; Endless punishment; Future life; Hell; Punishment; Purga-

tory; Retribution; Sin; Theology; Universalism.

Gaging.

Refer from Gauging; Mensuration; Weights and measures.

Galleys.

Refer from Punishment; Ships; Slavery.

Galvanism. See Electricity.

Galvanometer. See also Electric measurement.

Refer from Electric measurement.

Galvanoplasty. See Electrometallurgy.

Gambling. See also Betting; Cards; Lotteries; Probabilities.

Refer from Betting; Cards; Ethics; Games; Gaming; Passions; Sports.

Game. See also Game laws; Hunting; Sports.

Refer from Birds; Hunting; Shooting; Zoology.

Game laws. See also Poaching.

Refer from Fishing; Game: Hunting; Law; Poaching.

Games. See also Amusements; Archery; Backgammon; Baseball; Billiards; Bowling; Cards; Checkers; Chess; Cricket; Croquet; Curling; Dominoes; Football; Gambling; Golf; Kindergarten; Patience; Solitaire; Sports; Tennis; Toys; Whist.

Refer from Amusements; Plays; Recreation; Sports.

Gaming. See Gambling.

Gardening. See also Agricultural pests; Agriculture; Botany; Floriculture; Forestry; Fruit; Gardens; Greenhouses; Landscape gardening: Shrubs; Vegetables; Weeds; Window-gardening.

Refer from Agriculture; Arts, useful; Botany; Country life; Domestic economy; Floriculture; Flowers; Fruit; Horticulture; Landscape gardening; Market gardening; Planting; Plants; Shrubs; Vegetables; Vines.

Gardens. See also Botanical gardens.

Refer from Gardening.

Gas. See also Coal gas.

Refer from Chemistry; Coal gas; Fuel; Gases; Lighting; Manufactures.

Gas-engine.

Refer from Engines.

Gases. See also Gas.

Refer from Chemistry; Fluids; Mechanics; Physics; Pneumatics; Vapor.

Gastronomy. See Cookery; Dining; Eating; Food.

Gates.

Refer from Architecture: Doors: Fences.

Gauging. See Gaging.

Gazetteers. See Geography, Dictionaries.

Gearing.

Refer from Cog-wheels; Machinery.

Gems. See also Cameos; Diamonds; Jewelry; Precious stones.

Refer from Archaeology; Arts, fine; Cameos; Decoration and ornament; Diamonds; Engraving; Jewelry; Mineralogy; Precious stones.

Genealogy. See also Biography; Heraldry. Refer from Ancestry; Biography; Descent; Families; Heraldry; Pedigrees.

Generals. See also Military biography.

Refer from Biography; Military biog-

Refer from Intellect: Philosophy: Psychology.

Geodesy. See also Earth; Pendulum; Surveying.

Refer from Earth; Figure of the earth; Mathematics: Mensuration: Surveying; Trigonometry.

Geographical distribution of animals and plants.

Refer from Botany: Distribution of animals and plants; Zoology.

Geographical names. See Names (geo-

Geographical societies. See also Alpine

Refer from Alpine clubs; Societies.

Geography. See also Arctic regions; Atlases; Boundaries; Discoveries; Earth; Ethnology; Explorers; Globes; Islands; Latitude; Longitude; Map drawing; Maps; Names (geographical); Physical geography; Surveying; Tropics; Voyages and travels.

Refer from Ancient geography; Atlases; Discoveries (in geography); Earth; Explorers; History; Physical geography; Science; Topography; Voyages and travels.

Geography, Dictionaries.

Refer from Gazetteers.

Geology. See also Boulders; Coal; Creation; Deluge; Dikes; Earth; Earthquakes; Erosion; Evolution; Frost; Glaciers; Man; Metals; Mineralogy; Mines and mining; Moraines; Mountains; Paleontology; Peat; Petroleum; Physical geography; Rocks; Soils; Stone; Volcanoes.

Refer from Creation; Earth; Earthquakes; Mineralogy; Mountains; Natural history; Paleontology; Physical geography; Physical geology; Physiography; Rocks; Science.

Geometrical drawing. See also Graphics; Mechanical drawing; Perspective; Pro-

jection.

Refer from Drawing; Engineering; Geometry; Graphics; Mathematical drawing; Mechanical drawing; Projection.

Geometry. See also Axioms; Circle; Conic sections; Curves; Geometrical drawing; Mathematics; Mensuration; Perspective; Quaternions; Trigonometry.

Refer from Analytical geometry; Conic sections; Mathematics; Stereography; Trigonometry.

Germ theory. See also Bacteria.

Refer from Bacteria; Contagion; Medicine; Pathology.

Gesture. See also Elocution; Pantomime; Sign language.

Refer from Elocution; Oratory; Pantomime.

Geysers. See also Springs.

Refer from Physical geography; Springs.

Ghosts. See also Apparitions; Demonology.

Refer from Apparitions; Hallucinations;

Illusions; Spectres; Spirits; Superstition.

Giants.

Refer from Man; Monsters.

Gilding.

Refer from Arts, useful; Goldsmithing; Painting, mechanical; Plating.

Gilds. See also Trade-unions.

Refer from Associations; Economics; Guilds; Labor; Local government; Societies; Sociology; Trade-unions.

Gipsies.

Refer from Ethnology; Gypsies.

Girders. See also Bridges; Roofs; Trusses.

Refer from Architecture; Bridges; Engineering; Roofs; Strength of materials;

Trusses.

Girls. See also Children; Education; Woman; Young women.

Refer from Children; Conduct of life;

Ethics; Woman; Young people; Young women.

Glaciers. See also Boulders: Erosion; Ice; Moraines.

Refer from Boulders; Erosion; Geology;
Ice; Moraines; Physical geography;
Water.

Gladiators.

Refer from Amphitheatres; Fighting.

Refer from Annealing: Archaeology; Arts, fine: Arts, useful; Manufactures: Windows.

Glass-painting.

Refer from Arts, fine; Decoration and ornament; Painted glass; Painting; Stained glass; Windows.

Glees. See also Songs.

Refer from Music; Songs.

Globes. See also Astronomy.

Refer from Astronomy; Geography; Maps.

Gloves.

Refer from Costume; Hand.

Glue.

Refer from Cement; Manufactures.

Goblins. See Fairies.

God. See also Atheism; Bible; Creation; Deism; Holy spirit; Idolatry; Jesus Christ; Monotheism; Mythology; Natural religion; Pantheism; Polytheism; Religion; Theism; Theology; Trinity.

Refer from Atheism; Bible; Christianity; Creation; Deism; Natural religion; Pantheism; Philosophy; Religion; Theism; Theodicy; Theology; Trinity.

Gold. See also Alchemy; Bimetallism; Coins and medals; Goldsmithing; Jewelry; Mines and mining; Money; Precious metals.

Refer from Bimetallism; Metals; Mines and mining; Money; Precious metals; Specie.

Golden fleece. See Argonauts.

Goldsmithing. See also Gilding; Jewelry; Plate.

Refer from Arts, fine; Gold; Jewelry; Metal-work; Plate.

Golf.

Refer from Games; Sports.

Good Friday.

Refer from Fasts and feasts; Holy week; Lent.

Gorilla.

Refer from Apes; Mammals; Monkeys; Zoology.

Gothic architecture. See also Cathedrals; Church architecture.

Refer from Architecture; Church architecture.

Government. See Political science.

Governors.

Refer from Biography.

Grafting.

Refer from Forestry; Fruit; Trees.

Grain. See also Wheat.

Refer from Agriculture; Breadstuffs; Cereals; Food; Wheat.

Graining. See also Painting, mechanical.

Refer from Painting, mechanical.

Grammar. See also Etymology; Prosody.

For the Grammar of any language see its name.

Refer from Accidence; Language; Words.

Grammar schools.

Refer from Education; Schools.

Grangers.

Refer from Agriculture; Commerce; Monopolies; Patrons of husbandry.

Grape. See also Wine.

Refer from Agriculture; Fruit; Vine; Vines; Wine.

Graphic arts. See Arts, fine; Drawing; Engraving; Painting.

Graphics. See also Geometrical drawing; Mechanical drawing.

Refer from Drawing; Geometrical drawing; Mechanical drawing.

Grass

Refer from Agriculture; Botany.

Graveyards. See Cemeteries.

Gravitation. See also Astronomy; Physics;
Specific gravity; Weights and measures.
Refer from Astronomy; Physics; Specific gravity; Weights and measures.

Greek church. See also Church history.

Refer from Catholic church; Church history; Eastern churches; Russian church.

Greenbacks. See also Paper money; U. S., Finance.

Refer from Money; Paper money.

Greenhouses.

Refer from Agriculture; Architecture; Conservatories; Floriculture; Gardening; Hothouses.

Grippe, la. See Influenza.

Groceries.

Refer from Commerce; Food.

Grotesque.

Refer from Esthetics.

Grottoes. See Caves.

Guaranties and sureties. See also Bailments; Bonds.

Refer from Law; Sureties.

Guardians. See also Administrators and executors; Adoption.

Refer from Adoption; Law; Wards; Wills.

Guests.

Refer from Domestic economy.

Guide-books. See names of countries and places.

Guilds. See Gilds.

Guillotine.

Refer from Capital punishment; Punishment.

Gun. See also Ammunition; Artillery; Bayonet; Firearms; Gunnery; Ordnance; Rifle.

Refer from Arms and armor; Firearms; Gunnery; Hunting; Rifle; Shooting.

Guncotton.

Refer from Explosives; Firearms.

Gunnery. See also Ammunition; Artillery; Explosives; Firearms; Gun; Gunpowder; Ordnance; Projectiles; Shooting.

Refer from Arms and armor; Artillery; Firearms; Fortification; Gun; Military art and science; Ordnance; Projectiles: Shooting.

Gunpowder.

Refer from Ammunition; Explosives; Firearms; Gunnery; Ordnance; Powder.

Gutta-percha. See also India-rubber.

Refer from India-rubber; Manufactures.

Gymnastics. *See also* Physical education; Sports; *also* the references under these headings.

Refer from Athletics; Calisthenics; Education; Exercise; Hygiene; Manly exercise; Physical education; Recreation; Sports; Training.

Gynecology. See Woman, Diseases.

Gypsies. See Gipsies.

Habeas corpus. See also Martial law.

Refer from Law; Martial law.

Habit. See also Instinct; Lefthandedness. Refer from Conduct of life; Ethics; Philosophy. Hades. See Future life; Hell.

Hail.

Refer from Meteorology; Water.

Hair. See also Baldness.

Refer from Baldness; Head; Pathology.

Hallucinations. See Apparitions; Delusions; Ghosts; Illusions; Insanity.

Hand. See also Gloves; Lefthandedness; Palmistry.

Refer from Anatomy.

Handrailing.

Refer from Architecture; Carpentry; Stair-building.

Handwriting. See Autographs; Penmanship.

Hanging. See also Capital punishment.

Refer from Capital punishment; Punishment.

Happiness. See also Contentment; Pleasure.

Refer from Contentment; Ethics; Pleasure.

Harbors. See also Breakwaters; Docks; Wharves.

Refer from Commerce; Docks; Engineering; Hydraulic engineering; Navigation; Ports.

Hardware. See also Cutlery; Keys; Knives; Locks; Metal-work.

Refer from Architecture; Commerce; Iron; Manufactures; Metal-work; Metals.

Harmony. See also Counterpoint; Music. Refer from Composition, musical; Music; Thorough-bass.

Harness.

Refer from Horse; Leather; Manufactures; Saddlery.

Hats. See also Head-gear; Millinery.

Refer from Costume; Head-gear; Manufactures; Millinery.

Hawking. See Falconry.

Hav-fever.

Refer from Autumnal catarrh; Catarrh; Fever; Medicine, practice of.

Head. See also Baldness; Brain; Ear; Eye;Face; Hair; Headache; Mouth; Nose;Phrenology; Physiognomy; Skull.Refer from Anatomy; Skull.

Headache.

Refer from Head; Medicine, practice of; Nervous system.

Head-gear. See also Hats; Helmets; Millinery.

Refer from Costume; Hats; Millinery.

Health. See Hygiene.

Health resorts.

Refer from Hygiene; Invalids.

Hearing. See also Deafness; Ear.

Refer from Ear; Senses.

Heart. See also Blood.

Refer from Anatomy; Blood; Chest. Heat. See also Animal heat; Cold; Combustion; Fire; Heating; Radiation; Steam; Sun; Temperature; Thermom-

eter.

Refer from Caloric; Cold; Fire; Heating; Meteorology; Physics; Radiation; Steamengine; Temperature; Thermodynamics.

Heating. See also Chimneys; Fuel; Heat; Steam heating; Stoves; Ventilation.

Refer from Architecture; Chimneys;
Domestic economy; Fire; Heat;
Sanitary engineering; Steam heating;
Stoves; Ventilation; Warming; Water.

Heatstroke.

Refer from Medicine, practice of; Sunstroke.

Heaven. See also Angels; Future life.

Refer from Death; Future life; Retribution; Theology.

Heavens. See Astronomy.

Heliotypes. See also Photo-engraving, etc. Refer from Photo-engraving, etc.; Photography; Pictures.

Hell. See also Future life; Future punishment.

Refer from Death; Future life; Future punishment; Hades; Retribution; Theology.

Helmets.

Refer from Arms and armor; Head-gear. Hemorrhage.

Refer from Blood; Pathology.

Hemp. See also Fibres; Rope.

Refer from Fibres; Linen; Rope; Yarn.

Hens. See Poultry.

Heraldry. See also Aims and armor; Chivalry; Devices; Flags; Genealogy; Peerage.

Refer from Archaeology; Arms, coats of; Biography; Chivalry; Coats of arms; Crests; Devices; Genealogy; History; Knighthood; Nobility; Pedigrees; Peerage.

Heredity. See also Biology; Evolution.

Refer from Ancestry; Biology; Children; Descent; Ethics; Evolution; Inheritance (biology); Man; Medicine; Parents; Physiology; Psychology; Zoology.

Heresy. See also Inquisition; Liberty of conscience; Martyrs; Persecution.

Refer from Church history; Liberty of conscience; Theology.

Hermeneutics. See Bible.

Hermetic art. See Alchemy; Astrology.

Hermits. See also Asceticism.

Refer from Asceticism; Christian biography; Monks; Solitude.

Heroes. See also Adventure; Discoveries; Explorers; Martyrs; Missionaries; Mythology; Saints.

Refer from Adventure; Biography; Courage.

Herpetology. See Reptiles.

Hieroglyphics.

Refer from Alphabet; Inscriptions; Language; Writing.

High schools.

Refer from Education; Secondary schools.

Highwaymen. See also Brigands.

Refer from Brigands.

Highways. See Roads.

Hinduism. See also Brahmanism; Buddhism.

Refer from Brahmanism; Buddhism; Religions.

Hippodrome. See Circus.

Histology. See also Anatomy; Cells; Microscope.

Refer from Anatomy; Cells; Medicine; Morphology; Pathology; Tissues.

Historians.

Refer from Authors; Biography; History. Historical atlases.

Refer from Atlases; History.

Historical dictionaries. See History, Dictionaries.

Historical fiction.

Refer from Fiction; History.

Historical societies. See also Antiquarian societies.

Refer from Societies.

History. See also Archaeology; Battles;
Biography; Boundaries; Chronology;
Church history; Civilization; Coins and medals; Conspiracies; Costume; Crusades; Eastern question; Ethnology;
Famines; Finance; Floods; Geography;
Heraldry; Historians; Historical atlases;
Historical fiction; History, ancient;

History, modern; Massacres; Middle ages; Military history; Naval history; Political science; Revolutions; Riots; Sieges; Slavery; Sociology; Statistics; Treaties; also names of countries, places, and persons. For the history of a special subject see its name.

Refer from Annals; Archaeology; Biography; Christendom; Chronology; Civilization; Man; Science.

History, ancient. See also Archaeology. Refer from Ancient history; History.

History, medieval. See Middle ages.

History, modern. *See also* Church history; Crusades; Middle ages; Reformation; Renaissance.

Refer from History; Modern history. History, natural. See Natural history. History, philosophy of. See also Civilization.

Refer from Philosophy; Philosophy of history.

Histrionics. See Acting: Theatre.

Hog.

Refer from Agriculture; Domestic animals; Live stock; Pig; Swine.

Holidays. See also Arbor day; Christmas; Fasts and feasts; Fourth of July; Memorial day; New-year; Thanksgiving day; Vacations.

Refer from Days; Fasts and feasts; Festivals; Vacations.

Holy ghost. See Holy spirit. Holy spirit. See also Trinity.

Refer from God; Holy ghost; Spirit;
Theology; Trinity.

Holy week. See also Easter; Good Friday.

Refer from Fasts and feasts; Lent.

Home. See also Children; Domestic economy; Family; Woman.

Refer from Domestic economy; Ethics; Family; Woman.

Home decoration. See House decoration.

Home education. See Domestic education.

Home missions. See Missions.

Homeopathy. See also Allopathy; Medicine, and references under Medicine.

Refer from Allopathy; Medicine; Pharmacy.

Homicide. See Murder.

Homiletics. See Preaching; Sermons.

Honey. See Bees.

Horology. See Clocks and watches; Time-keepers.

H

Horse. See also Barns; Domestic animals; Driving; Harness; Horse-racing; Horserailroads; Horseshoeing; Horsemanship; Stables; Veterinary medicine.

Refer from Agriculture; Cavalry; Domestic animals; Farriery; Live stock; Mammals; Pedigrees; Stables; Training; Trotting; Veterinary medicine.

Horse-racing.

Refer from Horse; Racing; Sports; Trotting.

Horse-railroads.

Refer from Horse; Railroads; Street railroads.

Horsemanship. See also Coaching; Driving; Hunting.

Refer from Driving; Horse; Locomotion; Riding; Sports.

Horseshoeing. See also Blacksmithing.

Refer from Arts, useful; Blacksmithing; Horse.

Horticulture. See Floriculture; Fruit; Gardening.

Hosiery.

Refer from Costume; Dry goods; Foot; Manufactures; Stockings; Textile fabrics.

Hospitallers. See Malta, knights of.

Hospitals. See also Asylums; Dispensaries; Insane hospitals; Nurses and nursing.

Refer from Architecture; Asylums; Charities; Dispensaries; Hygiene, public; Infirmaries; Medicine; Military art and science; Nurses and nursing.

Hotels. See also Apartment houses; Inns. Refer from Architecture; Inns; Taverns. Hothouses. See Greenhouses.

Hours of labor.

Refer from Eight-hour day; Labor.

House decoration. See also Bric-a-brac; Candlesticks; Carpets; Decoration and ornament; Fancy work; Furniture; Paper-hanging; Upholstery; Wall decoration.

Refer from Architecture, domestic; Arts, fine; Carpets; Decoration and ornament; Domestic economy; Furniture; Home decoration; Household decoration; Houses; Interior decoration; Upholstery.

House drainage. See Plumbing; Sewerage. House painting. See also Frescoes; Painting, mechanical.

Refer from Architecture; Architecture,

domestic; Painting, mechanical; Wall decoration.

Household decoration. See House decora-

Household pests.

Refer from Domestic economy; Insects; Pests.

Household science. See Domestic economy. Housekeeping. See Domestic economy.

Houses. See Architecture, domestic; House

Huguenots. See also France, Church history; Waldenses.

Refer from Church history; Persecution; Reformation; Sects; Waldenses.

Human body. See Anatomy; Physiology.

Human faculties. See Psychology.

Human figure. See Anatomy for artists; Figure painting.

Human race. See Man.

Humbug. See Delusions; Imposture.

Humor. See Wit and humor.

Hunting. See also Dog; Falconry; Fishing; Game; Game laws; Gun; Shooting; Sports; Trapping.

Refer from Animals; Chase, the; Country life; Field-sports; Game; Horsemanship; Natural history; Outdoor life; Shooting; Sports; Trapping.

Hurricanes. See Storms.

Husband and wife. See Marriage.

Husbandry. See Agriculture.

Husbands. See also Family; Fathers; Marriage; Wives.

Refer from Family; Marriage; Wives. Hussites.

Refer from Reformation; Sects.

Hydraulic engineering. See also Aqueducts; Artesian wells; Canals; Docks; Drainage; Embankments; Engineering; Fluids; Fountains; Harbors; Irrigation; Mines and mining; Pumps; Rivers; Turbines; Water; Water-supply; Water-wheels; Wells.

Refer from Canals; Engineering; Fluids; Hydraulics; Hydrodynamics; Hydromechanics; Hydrostatics; Liquids; Machinery; Mechanics; Physics; Rivers; Water; Water-power; Water-supply. Hydraulics. See Fluids; Hydraulic engi-

neering; Mechanics

Hydrodynamics. See Fluids; Hydraulic engineering; Mechanics.

Hydrography. See Nautical surveying.

Hydromechanics. See Fluids; Hydraulic engineering; Mechanics.

Hydropathy. See also Baths and bathing.

Refer from Baths and bathing; Medicine;

Therapeutics; Water-cure.

Hydrophobia. See also Dog

Refer from Dog

Hydrostatics See Fluids; Hydraulic engineering; Mechanics

Hygiene. See also Baths and bathing; Children; Cleanliness; Climate; Diet; Exercise; Gymnastics; Health resorts; Invalids; Longevity; Medicine; Military hygiene; Mind and body; Naval hygiene; Nurses and nursing; Pathology; Physical education; Physiology; Rest; Sleep; Stimulants and narcotics; Temperance; Therapeutics; Training; Vacations; Ventilation; Voice; Woman, Diseases.

Refer from Biology; Diet; Food; Health; Life; Man; Medicine; Pathology; Physiology; Sanitary science.

Hygiene, public. See also Adulterations; Burial; Contagion; Cremation; Disinfection; Epidemics; Hospitals; Inoculation; Quarantine; Sanitary engineering; School hygiene.

Refer from Medicine; Public health.

Hymns. See also Church music; Religious poetry.

Refer from Anthems; Charts; Church music; Devotional exercises; Literature; Liturgies; Lyric poetry; Music; Poetry; Psalmody; Religion; Religious poetry; Rites and ceremonies; Sacred poetry; Songs; Worship.

Hypnotism. See also Animal magnetism; Subconsciousness.

Refer from Animal magnetism; Mental suggestion; Mesmerism; Mind and body; Mind-reading; Psychology; Sleep; Subconsciousness; Suggestion, mental.

Hysteria.

Refer from Medicine, practice of; Nervous system; Woman, Diseases.

Ice. See also Alps; Arctic regions; Glaciers; Skating; Water.

Refer from Glaciers; Meteorology; Physical geography; Snow; Water.

Ichnology. See Footprints, fossil.

Ichthyology. See Fish.

Iconography. See Christian art; Idolatry; Saints.

Idealism. See also Realism.

Refer from Philosophy: Realism.

Idiocy. See also Insanity.

Refer from Brain; Feeble-minded; Fools: Imbecility; Insanity; Medicine, practice of; Mental diseases; Mind and body.

Idolatry. See also Fetishism.

Refer from Fetishism; God: Iconography; Image worship; Religion; Religions; Worship.

Illumination. See Lighting.

Illumination (of mss. and books). See also Alphabets.

Refer from Alphabets; Arts, fine; Book illustration; Books and reading; Decoration and ornament; Manuscripts; Ornamental alphabets; Painting.

Illusions. See also Apparitions; Delusions;

Refer from Delusions; Hallucinations; Insanity; Mental diseases; Psychology; Visions.

Illustration of books. See Book illustration. Image worship. See Idolatry.

Imagination.

Refer from Intellect; Philosophy; Psychology.

Imbecility. See Idiocy.

Immaculate conception. See also Mary,

Refer from Catholic church; Incarnation; Jesus Christ; Mariolatry; Mary, virgin; Vatican council.

Immigration. See also Colonies; Naturaliza-

Refer from Emigration; Political science; Sociology.

Immorality. See Crime; Ethics. Immortality. See Future life.

Imperial federation. See also England,

Refer from Political science.

Imports. See Commerce; Tariff.

Imposture. See also Counterfeits; Quacks and quackery.

Refer from Adventurers; Counterfeits; Delusions; Humbug; Quacks and quack-

Imprisonment. See Arrest; Prisons.

Incandescent lamps. See Electric lamps.

Incarnation. See also Immaculate conception; Jesus Christ.

Refer from Jesus Christ.

Income, public. See Finance.

Income tax. See also Taxation.

Refer from Taxation.

Incubation. See Poultry.

Incubus. See Nightmare.

Incunabula. See Printing.

Independence day. See Fourth of July.

Independent order of odd-fellows. See Odd-fellows.

Independents. See Congregationalism.

Indexes. [See subjects indexed, as Essays;
Periodicals; or enter here a list of all indexes in the library.]

Refer from Bibliography.

Indexing. See also Cataloging.

Refer from Bibliography; Cataloging.

India-rubber. See also Gutta-percha.

Refer from Caoutchouc; Gutta-percha; Manufactures; Rubber.

Indian corn. See Maize.

Indians of North America. See also Cliffdwellings; Mound-builders; Pueblos; Totems.

Refer from American aborigines; Archaeology; Ethnology; Mound-builders; Mythology; Religions; North American Indians.

Indians of South America.

Indigestion. See Digestion.

Individualism. See also Communism; Socialism.

Refer from Communism; Economics; Political science; Socialism.

Induction coils.

Refer from Electricity.

Indulgences.

Refer from Catholic church; Church polity; Purgatory.

Industrial arts. See Arts, useful; Manufact-

Industrial drawing. See Mechanical drawing.

Industrial education. See Manual training; Technical education.

Industrial exhibitions. See Exhibitions.

Inebriates. See Temperance.

Infallibility. See also Catholic church; Popes; Vatican council.

Refer from Catholic church; Popes; Theology; Vatican council.

Infanticide.

Refer from Criminal law; Medical jurisprudence; Murder; Woman; Woman, Law. Infantry. See also Military art and science.

Refer from Military art and science; Tac-

Infants. See Children.

Infection. See Contagion.

Infidelity. See Skepticism.

Refer from Finite; Philosophy.

Infirmaries. See Hospitals.

Inflammation.

Refer from Pathology.

Influenza.

Refer from Breathing; Grippe, la: Medicine, practice of.

Inheritance. See also Primogeniture; Wills.

Refer from Law; Property; Wills.

Inheritance (biology). See Heredity. Injunctions.

Refer from Actions at law; Law.

Injuries. See Accidents; Damages.

Refer from Printing; Stationery; Writ-

Inland navigation. See also Canals; Ferries; Rivers; Steam navigation.

Refer from Commerce; Navigation; Transportation.

Inns. See also Hotels.

Refer from Hotels; Taverns.

Inoculation. See also Smallpox; Vaccina-

Refer from Hygiene, public; Medicine; Smallpox; Therapeutics; Vaccination.

Inquisition. See also Martyrs.

Refer from Catholic church; Church history; Heresy; Martyrs; Middle ages; Persecution; Torture.

Insane hospitals.

Refer from Asylums; Hospitals; Insanity.

Insanity. See also Brain; Delusions; Idiocy; Illusions; Insane hospitals; Medical jurisprudence; Mind and body; Nervous system.

Refer from Brain; Hallucinations; Idiocy; Intellect; Lunacy; Madness; Medical jurisprudence; Medicine, practice of; Mental diseases; Mind and body; Nervous system; Philosophy; Psychology.

Inscriptions. See also Alphabet; Cuneiform; Epitaphs; Hieroglyphics; Manuscripts; Writing.

Refer from Alphabet; Archaeology; Diplomatics; Epigraphy; Literature;

Manuscripts; Monuments; Paleography; Writing.

Insectivorous plants.

Refer from Botany.

Insects. See also Agricultural pests; Bees; Beetles; Butterflies; Caterpillars; Fertilization of plants; Household pests; Lepidoptera; Moths; Parasites.

Refer from Agricultural pests; Entomology; Invertebrates; Pests; Zoology.

Insolvency. See Bankruptcy.

Insomnia. See also Sleep.

Refer from Medicine, practice of; Sleep.

Instinct. See also Animal psychology.

Refer from Animal psychology; Habit; Intelligence of animals; Psychology; Reason; Zoology.

Instrumental music. See also Music; Musical instruments; Orchestral music.

Refer from Music; Musical instruments; Orchestral music.

Instrumentation.

Refer from Music; Musical Instruments.

Instruments. See also Machinery; Scientific apparatus; Tools; also Arithmetical; Astronomical; Mathematical; Musical; Optical; Philosophical; Surgical, etc., instruments.

Refer from Apparatus; Science; Scientific apparatus.

Insurance. See also Annuities; Friendly societies.

Refer from Accident insurance; Assurance; Commerce; Commercial law; Contracts; Fire-insurance; Fires; Friendly societies; Investments; Law; Life-insurance; Marine insurance; Maritime law; Probabilities; Property; Sociology.

Intellect. See also Animal psychology;
Belief; Brain; Certainty; Genius; Imagination; Insanity; Knowledge; Logic;
Memory; Psychology; Reason; Senses.

Refer from Brain; Intelligence; Mind; Philosophy; Psychology; Understanding.

Intellectual property. See Copyright.

Intelligence. See Intellect.

Intelligence of animals. See Animal psychology; Instinct.

Intemperance. See Temperance.

Interest.

Refer from Arithmetic; Banks; Capital; Commerce; Economics; Ethics; Fi-

nance; Investments; Money; Negotiable instruments; Tables; Usury.

Interior decoration. See Furniture; House decoration.

Intermediate state. See Future life; Purgatory.

Interment. See Burial.

Internal revenue. See Taxation; U. S., Finance.

International copyright. See Copyright.

International exhibitions. See Exhibitions.

International law. See also Aliens; Allegiance; Ambassadors; Arbitration, international; Blockade; Citizenship; Consuls; Diplomacy; Embargo laws; Maritime law; Monroe doctrine; Naturalization; Neutrality; Peace; Privateering; Prizes; Treaties.

Refer from Blockade; Diplomacy; Law; Law of nations; Maritime law; Ministers (of state); Nations, law of; Neutrality; Treaties; War.

Intestines.

Refer from Abdomen; Anatomy; Viscera. Intolerance. See Liberty of conscience; Religious liberty.

Intoxication. See Temperance.

Inundations. See Floods.

Invalids. See also Diet; Health resorts; Nurses and nursing.

Refer from Hygiene; Medicine; Sick, the. Inventions. See also Patents.

Refer from Arts, useful; Discoveries (in science); Machinery; Patents; Science.

Invertebrates. See also Crustacea; Insects; Mollusks; Worms; Zoology.

Refer from Zoology.

Investments. See also Annuities; Banks; Bonds; Building associations; Insurance; Interest; Loans; Mortgages; Speculation; Stocks.

Refer from Bonds; Corporations; Economics; Finance; Loans; Money; Negotiable instruments; Securities; Speculation; Stocks.

Iron. See also Casting; Hardware; Ironwork; Mines and mining; Steel.

Refer from Annealing; Building materials; Metals; Mines and mining; Steel.

Iron-clad vessels. See Armored vessels.

Ironwork. See also Blacksmithing.

Refer from Arts, fine; Blacksmithing; Iron; Metal-work.

Irrigation. See also Canals; Drainage.

Refer from Agriculture; Canals; Drainage; Engineering; Hydraulic engineer-

ing; Water-supply.

Islam. See Mohammedanism.

Islands.

Refer from Geography; Physical geography.

Ivory.

Refer from Carving (wood, etc.); Sculpture.

Jails. See Prisons.

Jansenists.

Refer from Catholic church; Church history; Jesuits.

Japanning. See also Varnishing.

Refer from Varnishing.

Jesters. See Fools.

Jests. See Wit and humor.

Jesuits. See also Jansenists.

Refer from Catholic church; Church history; Jesus, society of; Monasticism; Religious orders; Society of Jesus.

Jesus, society of. See Jesuits.

Jesus Christ. See also Antichrist; Apostles; Arianism; Atonement; Bible; Christian art; Christianity; Christmas; Cross; Easter; Immaculate conception; Incarnation; Lord's supper; Mary, virgin; Millennium; Miracles; Parables; Salvation; Second advent; Socinianism; Transubstantiation; Trinity; Unitarianism.

Refer from Atonement; Bible; Christ; Crucifixion; Divinity; God; Incarnation; Jews; Lord's supper; Mary, virgin; Messiah; Millennium; Miracles; Parables; Prophecies; Religion; Resurrection; Second advent; Temptation; Theology; Trinity; Unitarianism.

Jewelry. See also Beads; Bracelets; Cameos; Gems; Goldsmithing; Pearls; Plate; Precious stones; Rings; Silversmithing.

Refer from Arts, fine; Costume; Decoration and ornament; Gems; Gold; Goldsmithing; Metal-work; Precious stones; Rings; Silversmithing.

Jews. See also Bible; Circumcision; Essenes; Jesus Christ; Messiah; Passover; Patriarchs; Prophets; Talmud.

Refer from Bible; Church history; Judaism; Persecution; Religions; Ten tribes of Israel.

Joinery. See Carpentry.

Joint-stock companies. See Corporations.

Joints. See also Dislocation.

Refer from Anatomy; Bones.

Jokes. See Wit and humor.

Journalism. See also Authorship; Libel and slander; Liberty of the press; Newspapers; Periodicals; Reporting.

Refer from Authorship; Liberty of the press; Literature; Newspapers; Periodicals; Press; Reporting.

Journeys. See Voyages and travels; also names of countries, etc.

Judaism. See Jews.

Judges. See also Chief justices.

Refer from Biography; Chief justices; Law; Lawyers; Magistrates.

Judgment, day of. See also Future life.

Refer from Day of judgment; Future life; Second advent; Theology.

Juggling. See Conjuring.

Jurisdiction.

Refer from Courts; Law.

Jurisprudence. See Law.

Jury. See also Trials.

Refer from Criminal law; Law; Trial by jury; Trials.

Justices of the peace.

Refer from Biography; Law; Magistrates.

Justification. See also Faith.

Refer from Faith; Theology.

Juvenile literature. See Children's literature.

Kaleidoscope.

Refer from Light; Optical instruments.

Keramics. See Pottery.

Keys. See also Locks.

Refer from Hardware; Locks.

Kidnapping.

Refer from Criminal law.

Kidneys.

Refer from Abdomen; Viscera.

Kindergarten. See also Child study; Children; Nature study; Object-teaching.

Refer from Child study; Children; Educa-

tion; Games; Object-teaching; Schools; Teaching.

Kindness to animals. See Animals, treatment of.

Kinematics. See Force; Mechanics; Motion. Kinetics. See Force; Mechanics; Motion.

Kings. See also Emperors. For works on the duties, rights, etc., of kings, see Monarchy.

Refer from Biography; Monarchy; Rulers; Sovereigns.

Kissing..

Refer from Manners and customs.

Kitchen. See also Cookery; Domestic economy.

Refer from Cookery; Domestic economy.

Knight-errantry. See Chivalry.

Knighthood. See Chivalry; Feudalism; Heraldry.

Knights hospitallers. See Malta, knights of. Knights of Malta. See Malta, knights of.

Knights of St. John. See Malta, knights of Knights templars. See Freemasonry;
Templars.

Knitting. See also Fancy work.

Refer from Fancy work.

Knives. See also Cutlery.

Refer from Cutlery; Hardware.

Knots.

Refer from Navigation; Rope.

Know-nothings. See American party.

Knowledge. See also Education; Philosophy; Science.

Refer from Education; Intellect; Learning; Philosophy; Psychology.

Koran. See also Mohammedanism.

Refer from Alcoran; Mohammedanism.

Labor. See also Apprentices; Arbitration, industrial; Capital; Children; Communism; Cooperation; Economics; Factory system; Friendly societies; Gilds; Hours of labor; Machinery; Peasantry; Poor; Profit-sharing; Servants; Slavery; Sociology; Strikes and lockouts; Tradeunions; Wages; Woman.

Refer from Capital; Children; Economics; Manufactures; People; Poor; Profitsharing; Sociology; Strikes and lockouts; Trade-unions; Wages; Wealth; Work; Working-classes.

Lace. See also Needlework.

Refer from Arts, fine; Fancy work; Manufactures; Needlework; Weaving.

Laconics. See Maxims.

Lacquer.

Refer from Varnishing.

Ladies. See Etiquette; Woman.

Lake-dwellings.

Refer from Archaeology; Architecture; Ethnology; Lakes.

Lakes. See also Lake-dwellings; Ponds. Refer from Physical geography; Ponds; Water.

Lampoons. See Satire.

Lamps. See also Electric lamps.

Refer from Furniture; Lighting; Oil.

Land. See also Agriculture; Commons;

Deeds; Easements; Feudalism; Landlord and tenant; Parks; Real property; Rents; Surveying; Taxation; Titles.

Refer from Agriculture; Economics; Landlord and tenant; Law; Property; Real property; Rent; Tenure of land.

Land-drainage. See Drainage.

Landlord and tenant. See also Land; Rent.

Refer from Land; Law; Real property;

Rent; Tenant.

Landscape.

Refer from Esthetics; Picturesque.

Landscape gardening. See also Cemeteries; Evergreens; Forestry; Gardening; Parks; Shrubs.

Refer from Agriculture; Arts, fine; Cemeteries; Forestry; Gardenin; Parks; Planting; Rural architecture; Shrubs; Trees.

Landscape painting.

Refer from Painting.

Language. See also Accent; Alphabet; Classical education; Conversation; Dialects; Elocution; Etymology; Grammar; Hieroglyphics; Literature; Names; Phonetics; Pronunciation; Prosody; Punctuation; Rhetoric; Sign language; Slang; Speech; Spelling; Synonyms; Translation; Words; Writing.

Rèfer from Anthropology; Ethnology; Linguistics; Literature; Philology; Science; Speech; Words.

Lathe. See Turning.

Latitude.

Refer from Astronomy; Earth; Geography; Nautical astronomy; Navigation.

Latter-day saints. See Mormonism.

Laughter. See also Wit and humor.

Refer from Wit and humor.

Laundry.

Refer from Domestic economy; Washing.

Law. See also Acknowledgments; Actions at law; Administrators and executors; Admiralty; Adoption; Affidavits; Aliens; Allegiance; Appeal; Arrest; Assault; Assignments; Asylum, right of; Attachment; Attorneys; Awards; Bail; Bailments; Bankruptcy; Benefit of clergy; Carriers; Chancery; Church law; Civil law; Civil rights; Commercial law;

Common law; Confiscation; Constables; Constitutional law; Contracts; Conveyancing; Copyright; Corn laws; Coroners; Corporations; Costs; County officers; Courts; Courts martial; Crime; Criminal law; Criminals; Damages; Debt; Deeds; Divorce; Easements; Equity; Evidence; Feudalism; Forms; Game laws: Guaranties and sureties; Guardians; Habeas corpus; Inheritance; Injunctions; Insurance; International law; Judges; Jurisdiction; Jury; Justices of the peace; Land; Landlord and tenant; Lawyers; Legacies; Legislation; Libel and slander; Liens; Limitations; Lynch law; Magistrates; Mandamus; Maritime law; Marriage; Martial law; Master and servant; Medical jurisprudence; Military law; Moot courts; Mortgages; Municipal corporations; Murder; Mutiny; Negligence; Negotiable instruments; Neutrality; Nuisance; Parliamentary practice; Partnership; Patents; Personal property; Pleading; Police; Poor laws; Possession; Powers; Primogeniture; Principal and agent; Property; Prostitution; Punishment; Real property; Receivers; Rent; Sale; Sheriffs; Titles; Torts; Trade-marks; Treason; Trespass; Trials; Trustees; Wager of battle; Wills; Witnesses; Woman, Law. Refer from Civil law; Common law; Courts; Criminal law; Ethics; Jurisprudence; Legislation; Maritime law; Municipal law; Pleading; Political science; Science; Sociology.

Law of nations. See International law.

Lawn-tennis. See Tennis.

Lawyers. See also Chancellors, lord; Chief justices; Judges.

Refer from Bar; Biography; Law.

Lead. See also Plumbing.

Refer from Metals; Mines and mining.

Learning. See Education; Knowledge.

Leather. See also Harness; Shoes; Tanning.

Refer from Manufactures; Tanning.

Leather work.

Refer from Arts, fine; Fancy work. Leaves.

Refer from Botany.

Lecturing. See also Lyceums.

Refer from Lyceums; Oratory.

Lefthandedness.

Refer from Habit; Hand.

Legacies.

Refer from Law; Wills.

Legal tender. See also Money.

Refer from Money; Paper money.

Legends. See also Animals, legends and stories of; Ballads; Cross; Fairy tales; Folk-lore; Mary, virgin; Mythology;

Romances; Saints.

Refer from Ballads; Fiction; Folk-lore; Literature; Mythology; Romances; Stories; Superstition; Traditions.

Legerdemain. See Conjuring.

Legislation. See also Law; Parliamentary practice; Political science.

Refer from Law.

Lent. See also Ash Wednesday; Easter; Good Friday; Holy week.

Refer from Ash Wednesday; Catholic church; Fasting; Fasts and feasts.

Lepidoptera. See also Butterflies; Caterpillars; Moths.

Refer from Butterflies; Insects; Moths.

Letter-writing. See also Commercial correspondence; Rhetoric.

Refer from Composition; Correspondence; Etiquette; Rhetoric; Writing.

Lettering. See Alphabets.

Letters.

Refer from Correspondence; Literature.

Letters (of the alphabet). See Alphabet.

Letters of marque. See Privateering.

Levelling. See Surveying.

Lexicons. See names of languages, subjects, etc.

Libel and slander. See also Liberty of speech; Liberty of the press.

Refer from Journalism; Law; Liberty of speech; Liberty of the press; Slander.

Liberty. See also Democracy; Free institutions; Religious liberty; Slavery.

Refer from Civil liberty; Democracy;
Despotism; Ethics; Free institutions;
Freedom; People; Personal liberty;
Philosophy; Political science; Religious liberty.

Liberty of conscience. See also Dissenters; Heresy; Persecution; Private judgment; Religious liberty.

Refer from Church and state; Conscience; Ethics; Free religion; Heresy; Intolerance; Persecution; Private judgment; Religious liberty; Theology; Toleration.

Liberty of speech. See also Libel and slander; Liberty of the press.

Refer from Free speech; Libel and slander; Liberty of the press; Speech.

Liberty of the press. See also Journalism; Libel and slander; Liberty of speech; Prohibited books.

Refer from Censorship of the press; Freedom of the press; Journalism; Libel and slander; Liberty of speech; Newspapers; Periodicals; Press; Prohibited books.

Liberty of the will. See also Necessity; Predestination; Will.

Refer from Ethics; Free agency; Free will; Freedom of the will; Necessity; Predestination; Psychology; Theology; Will.

Librarians.

Refer from Biography.

Libraries. See also Bibliography; Book clubs; Book collecting; Bookbinding; Books and reading; Cataloging; Classification.

Refer from Architecture; Bibliography; Books and reading; Cataloging; Classification; Education; Library economy; Literature; Public libraries.

Library catalogs. *See also* Bibliography; Cataloging.

Refer from Bibliography; Books and reading; Catalogs; Finding lists.

Library economy. See Libraries.

License system. See Temperance.

Lichens.

Refer from Botany; Cryptogams; Mosses. Liens.

Refer from Law; Property.

Life. See Biology; Christian life; Conduct of life; Death; Ethics; Future life; Hygiene; Longevity; Man; Philosophy. Life-boats.

Refer from Boating; Life-saving; Navigation; Shipwrecks.

Life-insurance. See Insurance.

Life-saving. See also Accidents; Beacons; Drowning; Fires; Life-boats; Lighthouses; Lightning conductors; Shipwrecks.

Refer from Accidents; Drowning; Ship-wrecks.

Light. See also Blind; Color; Color-blind-

ness; Electric light; Eye; Kaleidoscope; Lighting; Magic lantern; Microscope; Optical instruments; Perspective; Phosphorescence; Photography; Polariscope; Radiation; Rainbow; Sight; Spectacles; Spectrum; Stereoscope; Sun; Telescope; X rays; Zodiacal light.

Refer from Color; Eye; Optics; Physics; Radiation; Senses.

Lighthouses.

Refer from Beacons; Life-saving; Navigation.

Lighting. See also Candles; Electric light; Gas: Lamps; Oil.

Refer from Illumination; Light.

Lightning. See also Electricity; Lightning conductors; Thunder-storms.

Refer from Electricity; Meteorology; Thunder-storms.

Lightning conductors.

Refer from Life-saving; Lightning.

Limes. See Cement.

Limitations (in law).

Refer from Law.

Linen. See also Fibres; Flax; Hemp; Textile fabrics.

Refer from Flax; Textile fabrics.

Linguistics. See Language.

Liquids. See also Fluids; Hydraulic engineering.

Refer from Fluids; Mechanics; Physics.

Liquors. See also Alcohol; Ale; Beer; Brandy; Brewing; Distillation; Fermentation; Temperance; Wine.

Refer from Alcohol; Beverages; Distillation; Drinks; Food; Manufactures; Spirituous liquors; Stimulants and narcotics; Temperance; Wine.

Litanies. See also Liturgies.

Refer from Liturgies; Prayers; Worship. Literary history. See Bibliography; Literature.

Literary men. See Authors; Students.

Literary property. See Copyright.

Literary societies. [Here state method of entry of societies.]

Literature. See also Anagrams; Anecdotes; Authors; Authorship; Ballads; Bestiaries; Bibliography; Books and reading; Bookselling; Chap-books; Children's literature; Classical literature; Commonplace books; Copyright; Criticism; Dialogues; Drama; Emblems; Epigrams; Epitaphs; Essays; Fables; Fairy tales; Fiction; Folk-lore; Hymns; Inscriptions; Journalism; Language; Legends; Letters; Libraries; Manuscripts; Maxims; Mottoes; Newspapers; Orations; Parody; Periodicals; Poetry; Printing; Prose; Proverbs; Quotations; Readers and speakers; Renaissance; Rhetoric; Riddles; Romances; Romanticism; Sagas; Satire; Sermons; Tracts; Wit and humor. [See also the report of the Committee on an index to subject headings at the Chicago conference, L.j. 18: C79; also Appendix G.]

Refer from Authors; Belles-lettres; Bibliography; Books and reading; Criticism; Language; Literary history; Poetry; Prose.

Lithography. See also Chromolithography.

Refer from Arts, fine; Chromolithography; Engraving.

Lithology. Se: Rocks.

Liturgies. See also Burial service; Hymns; Litanies; Missals; Prayers; Responsive worship; Rites and ceremonies; Ritualism; also names of churches.

Refer from Catholic church; Church services; Devotional exercises; Litanies; Prayers; Religious services; Responsive worship; Rites and ceremonies; Servicebooks; Worship.

Live stock. See Cattle; Domestic animals; Hog; Horse; Poultry; Sheep.

Liver. See also Bilious fever.

Refer from Abdomen; Anatomy; Bilious fever; Viscera.

Lives. See Biography; also names of individuals and classes of persons.

Loan associations. See Building associations. Loans. See also Finance; Investments; Repudiation.

Refer from Commerce; Finance; Investments.

Local government. See also Boroughs; County officers; Gilds; Municipal government; Towns; Village communities; Villages.

Refer from Cities; Municipal government; Political science; Town-meeting; Towns; Village communities.

Lockjaw.

Refer from Medicine, practice of; Mouth; Tetanus.

Lockouts. See Strikes and lockouts.

Locks. See also Keys.

Refer from Hardware; Keys.

Locomotion. See also Aerial navigation;
Animal locomotion; Canals; Canoeing;
Carriages; Coaching; Cycling; Flight;
Horsemanship; Navigation; Railroads;
Roads; Rowing; Running; Skating;
Transportation; Travel; Walking;
Yachting.

Refer from Motion.

Locomotives. See also Railroads; Steamengine.

Refer from Engines; Machinery; Motors; Railroads; Steam-engine.

Logarithms. See also Trigonometry.

Refer from Mathematics; Tables; Trigonometry.

Logic. See also Certainty: Evidence; Fallacies; Probabilities.

Refer from Evidence; Fallacies; Intellect; Philosophy: Probabilities; Proof: Psychology; Reason; Science; Thinking; Thought.

Longevity. See also Old age; Vital statistics.

Refer from Age: Biology; Hygiene; Life; Man; Old age; Pathology; Physiology. Longitude.

Refer from Astronomy; Earth; Geography; Nautical astronomy; Navigation.

Looking-glasses. See Mirrors.

Lord's prayer.

Refer from Bible; Devotional exercises; Prayer; Prayers; Theology.

Lord's supper. See also Church membership; Close communion; Jesus Christ; Mass; Passover; Sacraments; Transubstantiation.

Refer from Altars; Church antiquities; Church membership; Church polity; Close communion; Communion; Confirmation; Devotional exercises; Eucharist; Jesus Christ; Mass; Passover; Protestant episcopal church in the U. S.; Real presence; Sacraments; Theology; Transubstantiation.

Lotteries. See also Probabilities.

Refer from Ethics; Gambling.

Love. See also Charity; Courtship; Friendship; Marriage; Mothers.

Refer from Charity; Courtship; Ethics;

Friendship; Marriage; Passions; Theology; Woman.

Loyalists, American. See American loyalists.

Lumbering. See also Forestry; Timber.

Refer from Forestry; Timber; Trees. Lunacy. See Insanity.

Lungs. See also Breathing; Consumption; Pneumonia.

Refer from Anatomy; Breathing; Chest; Consumption; Pneumonia.

Luxury. See also Wealth.

Refer from Wealth.

Lycanthropy. See Werwolves.

Lyceums. See also Lecturing.

Refer from Education; Lecturing.

Lying. See also Truth.

Refer from Ethics; Truth.

Lynch law.

Refer from Law; Mobs

Lyric poetry. See also Ballads; Hymns; Minnesingers; Odes.

Refer from Ballads; Odes; Poetry; Songs.

Machinery. See also Agricultural machinery;
Belting; Cranes; Electric engineering;
Engineering; Engines; Friction; Gearing; Hydraulic engineering; Inventions;
Locomotives; Manufactures; Mechanical drawing; Mechanics; Mills; Mines and mining; Motors; Patents; Pumps; Railroads; Steam-engine; Technical education; Timekeepers; Tools; Turning; Water-wheels; Wheels; Windmills.

Refer from Arts, useful; Engineering; Instruments; Labor; Manual training; Manufactures; Mechanical engineering; Mechanics; Mills; Motors; Power; Steam-engine; Tools; Wheels.

Madness. See Insanity.

Madonna. See Mary, virgin.

Magazines. See Periodicals.

Magic. See Conjuring; Occult sciences; Witchcraft.

Magic lantern.

Refer from Light; Optical instruments; Projecting; Stereopticon.

Magistrates. See also Judges; Justices of the peace; Monarchy.

Refer from Law; Political science.

Magnetic needle. See Compass.

Magnetism. See also Animal magnetism; Compass; Electricity; Electromagnets. Refer from Electricity; Physics. Mahommedanism. See Mohammedanism.

Mail. See Post-office.

Maize

Refer from Agriculture; Corn, Indian; Indian corn.

Majolica. See also Pottery.

Refer from Pottery.

Malacology. See Mollusks.

Malaria. See also Malarial fever.

Refer from Medicine; Pathology.

Malarial fever.

Refer from Ague; Fever; Malaria.

Malpractice.

Refer from Medical jurisprudence; Medicine, practice of.

Malt. See Beer; Brewing.

Malta, knights of.

Refer from Chivalry; Hospitallers; Knights hospitallers; Knights of Malta; Knights of St. John; Secret societies.

Mammals. See also Apes; Cat; Dog; Domestic animals; Gorilla; Horse; Man; Menageries; Monkeys; Quadrupeds; Seal; Vertebrates; Zoology.

Refer from Quadrupeds; Vertebrates; Zoology.

Man. See also Anatomy; Anthropometry; Archaeology; Cannibalism; Civilization; Color of man; Creation; Dwarfs; Ethics; Ethnology; Evolution; Family; Folklore; Future life; Giants; Heredity; History; Hygiene; Longevity; Manners and customs; Monsters; Paleontology; Phrenology; Physiognomy; Physiology; Psychology; Religion; Salvation; Sex; Sociology; Soul; Vital statistics; Woman; also names of races.

Refer from Anthropology; Archaeology; Civilization; Creation; Ethnology; Evolution; Geology; Human race; Life; Mammals; Natural history; Philosophy; Physiology; Science; Sociology; Zoology.

Mandamus.

Refer from Law.

Manly exercises. *See* Gymnastics; Physical education; Sports.

Manners. See Etiquette.

Manners and customs. See also Archaeology; Burial; Cannibalism; Caste; Costume; Drinking customs; Dueling; Eating; Etiquette; Folk-lore; Funerals;

Kissing; Marriage; Punishment; Rites and ceremonies; Tattooing; Toasts.

Refer from Archaeology; Ceremonies; Customs; Ethics; Folk-lore; Man; Sociology; Usages.

Manual training. See also Carpentry; Drawing; Machinery; Sloyd; Technical education; Wood-carving.

Refer from Arts, useful; Education; Industrial education: Technical education.

Manufactures. See also Arts, useful; Beverages; Bricks; Cables; Candles; Carriages; Cars; Chains; Clocks and watches; Clothing; Commerce; Confectionery; Cutlery; Factories; Factory system; Flour; Fuel; Furniture; Gas; Glass; Glue; Gutta-percha; Hardware; Harness; Hats; Hosiery; India-rubber; Labor; Lace; Leather; Liquors; Machinery; Metal-work; Metals; Mills; Needlework; Paper; Patents; Perfumery; Pottery; Prices; Receipts; Rope; Soap; Shoes; Stationery; Textile fabrics; Timekeepers; Trade-marks; Woodwork. Refer from Arts, useful; Business; Commerce; Economics; Industrial arts;

Machinery; Mills; Technology; Useful

Manures. See also Agricultural chemistry; Fertilizers; Peat; Phosphates.

Refer from Agricultural chemistry; Agriculture; Fertilizers.

Manuscripts. See also Abbreviations: Illumination; Inscriptions; Writing.

Refer from Bibliography; Books and reading; Diplomatics; Inscriptions; Literature; Paleography; Writing.

Map drawing. See also Topographical draw-

Refer from Drawing; Geography; Maps; Topographical drawing.

Maps. See also Atlases; Globes; Map drawing; also names of countries, etc.

Refer from Atlases; Cartography; Charts; Geography.

Marbling.

Refer from Bookbinding; Painting, mechanical; Paper.

Marine architecture. See Ship-building.

Marine insurance. See Insurance.

Marine plants. See Algæ.

Marine surveying. See Nautical surveying. Marine zoology. See also Aquarium; Crustacea: Dredging; Fish; Mollusks; Ocean; Seal; Seashore.

Refer from Aquatic animals; Dredging; Ocean; Seashore; Zoology.

Mariner's compass. See Compass.

Mariolatry. See Immaculate conception; Mary, virgin.

Maritime law. See also Admiralty; Insurance; International law; Law, and the references under that subject; Mutiny; Prizes.

Refer from Admiralty; Commercial law; International law; Law.

Maritime surveying. See Nautical surveying.

Market gardening. See Agriculture; Gardening; Vegetables.

Markets.

Refer from Cities; Commerce: Food.

Marriage. See also Adultery; Celibacy; Chastity; Consanguinity; Courtship; Divorce; Family; Husbands; Love; Polygamy; Wives; Woman.

Refer from Archaeology; Church antiquities; Church law; Consanguinity; Courtship; Divorce; Domestic relations; Ethics; Etiquette; Family; Husband and wife; Husbands; Law; Love; Manners and customs; Matrimony; Polygamy; Rites and ceremonies; Sacraments; Sociology; Weddings; Wives; Woman; Woman, Law.

Martial law. See also Habeas corpus; Military law.

Refer from Habeas corpus; Law; Military art and science: Military law; War.

Martyrs. See also Christian biography: Inquisition; Persecution; Saints.

Refer from Christian biography; Church history; Church of England; Heresy; Heroes; Inquisition; Persecution.

Mary, virgin. See also Christian art; Immaculate conception; Jesus Christ.

Refer from Catholic church; Immaculate conception; Jesus Christ; Legends; Madonna; Mariolatry; Miracles; Virgin Mary.

Masks (for the face).

Refer from Costume.

Masks (plays).

Refer from Drama; Masques; Theatre.

Masonry. See also Arches; Bricks; Bridges; Cement; Concrete; Foundations; Plastering; Stone; Strength of materials; Vaulting; Walls.

Refer from Architecture; Arts, useful; Bricks; Bridges; Building; Engineering; Foundations; Stone; Strength of materials; Walls.

Masons. See Freemasonry.

Masquerades.

Refer from Amusements; Balls (parties).

Masques. See Masks.

Mass. See also Lord's supper; Masses; Transubstantiation.

Refer from Altars; Catholic church; Lord's supper; Rites and ceremonies; Theology; Transubstantiation.

Massacres.

Refer from Battles; History; Persecution. Massage.

Refer from Therapeutics.

Masses (music).

Refer from Church music; Mass; Music.

Master and servant. See also Apprentices; Servants.

Refer from Domestic relations; Law; Servants.

Materia medica. *See also* Drugs; Pharmacy; Therapeutics.

Refer from Drugs; Medicine; Pharmacy; Therapeutics.

Materialism. See also Evolution; Rationalism; Soul.

Refer from Atheism; Matter; Philosophy; Skepticism; Theology.

Materials, strength of. See Strength of materials.

Maternity. See Mothers.

Mathematical drawing. See Geometrical drawing; Mechanical drawing.

Mathematical instruments. See also Arithmetical instruments; Calculating machines.

Refer from Instruments; Mathematics.

Mathematics. See also Algebra; Arithmetic; Astronomy; Axioms; Calculating machines; Calculus; Conic sections; Engineering; Equations; Geodesy; Geometry; Logarithms; Mathematical instruments; Mechanics; Mensuration; Metric system; Navigation; Numbers; Numerals; Physics; Probabilities; Quaternions; Surveying; Trigonometry.

Refer from Algebra; Conic sections; Geometry; Science; Trigonometry.

Matrimony. See Marriage.

Matter. See also Atoms; Materialism; Molecules; Physics.

Refer from Dynamics; Mechanics; Philosophy; Physics.

Maxims. See also Epigrams; Proverbs; Quotations.

Refer from Adages; Aphorisms; Apothegms; Epigrams; Laconics; Literature; Proverbs; Quotations; Sayings.

Meals. See Dining; Eating; Food.

Measures. See Mensuration; Weights and measures.

Meat. See also Animal food.

Refer from Animal food: Food.

Mechanic arts. See Arts, useful.

Mechanical drawing. See also Architectural drawing; Geometrical drawing; Graphics; Projection.

Refer from Drawing; Engineering; Geometrical drawing; Graphics; Industrial drawing; Machinery; Mathematical drawing; Pattern-making.

Mechanical engineering. See Engineering; Machinery; Mechanics.

Mechanics. See also Aerial navigation; Engineering; Fluids; Force; Friction; Gases; Hydraulic engineering; Liquids; Machinery; Matter; Motion; Motors; Perpetual motion; Physics; Power; Statics; Steam-engine; Strength of materials.

Refer from Arts, useful; Dynamics; Engineering; Fluids; Force; Hydraulics; Hydrodynamics; Hydromechanics; Hydrostatics; Kinematics; Kinetics; Machinery; Mathematics; Mechanical engineering; Motion; Physics; Power; Statics

Mechanics (persons).

Refer from Biography.

Medals. See Coins and medals.

Medical botany.

Refer from Botany.

Medical chemistry.

Refer from Chemistry.

Medical education.

Refer from Colleges and universities; Education; Medical schools.

Medical electricity.

Refer from Electricity; Electrotherapeutics; Therapeutics.

Medical jurisprudence. See also Autopsy;

Infanticide; Insanity; Malpractice; Poisons; Suicide.

Refer from Insanity; Law; Poisons.

Medical schools. See Medical education.

Medicine. See also Accidents; Allopathy; Anatomy; Anesthetics; Animal magnetism; Antiseptics; Asylums; Autopsy; Bacteria; Contagion; Diagnosis; Germ theory; Heredity; Histology; Homeopathy; Hospitals; Hydropathy; Hygiene; Hygiene, public; Inoculation; Invalids; Malaria; Materia medica; Medical; Microscope; Military hygiene; Mind and body; Naval hygiene; Nurses and nursing; Pathology; Pharmacy; Physicians; Physiology; Poisons; Quacks and quackery; Stimulants and narcotics; Surgery; Therapeutics; Vaccination; Veterinary medicine; Woman, Diseases.

Refer from Arts, useful; Homeopathy; Hygiene; Pathology; Physiology; Science; Surgery; Therapeutics; Woman, Diseases.

Medicine, practice of. See also Apoplexy:
Asthma; Black death; Bronchitis; Cancer; Catarrh; Chicken pox; Children,
Diseases; Cholera; Clinical medicine;
Cold; Consumption; Croup; Deafness;
Dyspepsia; Hay-fever; Headache; Heatstroke; Hysteria; Idiocy; Influenza; Insanity; Insomnia; Lockjaw; Malpractice;
Nervous system; Neuralgia; Nurses and
nursing; Paralysis; Parasites; Plague;
Pneumonia; Rheumatism; Scarlatina;
Scarlet fever; Seasickness; Smallpox;
Somnambulism; Sore throat; Surgery;
Teeth; Therapeutics; Tumors; Varioloid; Voice; Woman, Diseases.

Medieval art, geography, etc. See Art, Geography, etc., under which subdivisions may be made if necessary.

Medieval history. See Middle ages.

Meditations. See Devotional exercises.

Memoirs. See Biography; also names of individuals.

Memorial day.

Refer from Decoration day; Holidays. Iemory.

Refer from Education; Intellect; Mental discipline; Mnemonics; Philosophy; Psychology; Teaching.

Menageries.

Refer from Mammals; Zoological gardens; Zoology.

Mendicity. See Begging.

Mensuration. See also Gaging; Geodesy; Metric system; Surveying; Weights and measures.

Refer from Arithmetic; Engineering; Geometry; Mathematics; Measures; Metrology; Trigonometry; Weights and measures.

Mental arithmetic. See Arithmetic

Mental discipline. See Education; Memory. Mental diseases. See Brain; Idiocy; Illusions; Insanity.

Mental philosophy. See Philosophy; Psychology.

Mental physiology. See Mind and body.

Mental suggestion. See Animal magnetism;

Hypnotism.

Mercantile law. See Commercial law.

Merchandise. See Commerce.

Merchants. See also Business; Commerce; Commercial law; Commercial travelers. Refer from Biography; Business; Commerce.

Mercury.

Refer from Amalgamation; Metals; Mines and mining; Quicksilver.

Mesmerism. See Animal magnetism; Hypnotism.

Messiah. See also Jesus Christ.

Refer from Jews.

Metal-work. See also Brasses; Bronzes; Cutlery; Goldsmithing; Hardware; Ironwork; Jewelry; Plate; Plating; Silversmithing; Soldering.

Refer from Architecture; Arts, fine; Arts, useful; Decoration and ornament; Hardware; Manufactures; Metals.

Metallurgy. See Metals.

Metals. See also Alchemy; Alloys; Amalgamation; Annealing; Assaying; Blowpipe; Brass; Bronze; Casting; Chemistry; Electrometallurgy; Gold; Hardware; Iron; Lead; Mercury; Metal-work; Mineralogy; Mines and mining; Patternmaking; Precious metals; Silver; Steel; Wire.

Refer from Arts, useful; Assaying; Chemistry; Geology; Manufactures; Metallurgy; Mineralogy; Mines and mining; Ores; Smelting.

Metaphor. See also Rhetoric.

Refer from Rhetoric.

Metaphysics. See Philosophy; Psychology.

Metempsychosis. See Transmigration.

Meteorites. See Meteors.

Meteorology. See also Air; Aurora; Barometer; Climate; Clouds; Cold; Dew; Electricity; Evaporation; Fog; Frost; Hail; Heat; Ice; Lightning; Meteors; Ocean; Physical geography; Rain; Rainbow; Seasons; Snow; Storms; Temperature; Thermometer; Thunderstorms; Waterspouts; Weather; Winds.

Refer from Air; Atmosphere; Climate; Clouds; Earth; Physical geography; Physics; Rain; Science; Sky; Water; Weather; Winds.

Meteors.

Refer from Aerolites; Astronomy; Falling stars; Meteorites; Meteorology; Shooting-stars; Stars.

Methodism. See also Episcopacy.

Refer from Church polity; Episcopacy.

Methodist episcopal church.

Refer from Episcopal church; Sects; Wesleyans.

Metre. See also Poetry; Prosody; Versifi-

Refer from Poetry; Prosody; Versification.

Metric system. See also Decimal system; Weights and measures.

Refer from Arithmetic; Decimal system; Mathematics; Mensuration; Weights and measures.

Metrology. See Mensuration; Weights and measures.

Microbes. See Bacteria; Fungi.

Microphotography. See Photomicrography. Microscope. See also Photomicrography.

Refer from Animalcules; Botany; Histology; Light; Medicine; Natural history; Optical instruments; Science; Zoology.

Middle ages. See also Castles; Chivary; Crusades; Feudalism; Inquisition; Monasticism; Renaissance.

Refer from Archaeology; Chivalry; Church history; Crusades; Dark ages; Feudalism; History; History, medieval; History, modern; Medieval history; Renaissance.

Military architecture. See also Arsenals; Castles; Fortification.

Refer from Architecture, military; Cas-

tles; Fortification; Military art and science; Military engineering.

Military art and science. See also Ammunition; Arms and armor; Artillery; Battles; Bayonet; Camps; Cavalry; Chariots; Conscription; Explosives; Fencing; Firearms; Flags; Fortification; Gunnery; Hospitals; Infantry; Martial law; Military architecture; Military biography; Military education; Military engineering; Military history; Military hygiene; Military law; Military surgery; Milita; Mutiny; Naval art and science; Ordnance; Peace; Projectiles; Sieges; Signals; Soldiers; Sword; Tactics; Tents; Torpedoes.

Refer from Army; Artillery; Cavalry; Drill; Fighting; Infantry; Ordnance; Science; Sieges; Soldiers; Strategy; Tactics; War.

Military biography. See also Generals; Soldiers.

Refer from Biography; Generals; Military art and science; Military history; Soldiers.

Military education.

Refer from Education; Military art and science; Military schools.

Military engineering. See also Bridges; Engineering; Fortification; Military architecture.

Refer from Engineering; Military art and science.

Military history. See also Battles; Military biography; Naval history; Sieges; also names of countries, wars, battles, places besieged, generals, etc.

Refer from History; Military art and science.

Military hygiene. *See also* Military surgery; Naval hygiene.

Refer from Hygiene; Medicine; Military art and science.

Military law. See also Courts martial; Martial law.

Refer from Courts martial; Law; Martial law; Military art and science.

Military schools. See Military education.

Military surgery. See also Ambulances; Amputation; Naval surgery; Wounds.

Refer from Military art and science; Military hygiene; Naval surgery; Surgery. Militia. See also names of states and countries.

Refer from Military art and science.

Milk. See also Butter; Cheese; Cow; Dairy.

Refer from Agriculture; Beverages; Cattle; Cow; Dairy; Food.

Millennium. See also Future life; Jesus Christ; Second advent.

Refer from Future life; Jesus Christ; Second advent; Theology.

Millerites. See Second adventists.

Millinery. See also Costume; Hats; Head-gear.

Refer from Costume; Hats; Head-gear. Mills. See also Factories; Machinery; Manufactures.

Refer from Arts, useful; Factories; Machinery; Manufactures.

Mind. See Intellect; Psychology.

Mind and body. See also Animal magnetism; Brain; Dreams; Hypnotism; Idiocy; Insanity; Nervous system; Psychology; Subconsciousness.

Refer from Body and mind; Brain; Faithcure; Hygiene; Insanity; Medicine; Mental physiology; Mind-cure; Nervous system; Philosophy; Physiology; Psychology.

Mind-cure. See Animal magnetism; Christian science; Faith-cure; Mind and body.

Mind-reading. See also Animal magnetism; Clairvoyance; Hypnotism.

Refer from Animal magnetism; Clairvoyance; Psychology; Spiritualism; Telepathy; Thought-transference.

Mineralogy. See also Assaying; Blowpipe; Coal; Crystallography; Diamonds; Gems; Geology; Metals; Mines and mining; Precious stones; Rocks; Stone.

Refer from Blowpipe; Chemistry; Crystallography; Diamonds; Geology; Metals; Mines and mining; Natural history; Ores; Rocks; Science.

Mines and mining. See also Blasting; Coal; Engineering; Explosives; Gold; Iron; Lead; Mercury; Metals; Mineralogy; Silver; Tunnels; Ventilation.

Refer from Arts, useful; Coal; Earth; Engineering; Geology; Gold; Hydraulic engineering; Iron; Machinery; Metals; Mineralogy; Mining; Ores; Quarrying; Silver. Miniature painting.

Refer from Arts, fine; Painting; Portrait painting.

Mining. See Mines and mining.

Ministers (of the gospel). See also Christian biography; Clergy; Curates; Missionaries; Ordination; Preachers; Preaching; Priests.

Refer from Biography; Christian biography; Church polity; Clergy; Parsons; Pastors; Preachers; Priests; Rectors.

Ministers (of state). See also Ambassadors; Chancellors; Diplomacy; International law; Prime ministers; Treaties.

Refer from Biography.

Minnesingers.

Refer from Bards; Lyric poetry; Minstrels; Poetry; Poets.

Minorities.

Refer from Election (in politics); Political science; Representation.

Minstrels. See also Bards; Minnesingers; Troubadours; Trouvères.

Refer from Bards; Poets.

Mint. See U. S., Mint; also names of other countries.

Miracle-plays. See also Drama.

Refer from Drama; Morality-plays; Mysteries (dramatic); Passion-play; Theatre.

Miracles. See also Jesus Christ; Mary, virgin; Relics; Saints; Spiritualism.

Refer from Bible; Catholic church; Christianity; Church history; Jesus Christ; Relics; Religion; Supernatural; Theology.

Mirrors.

Refer from Furniture; Looking-glasses.

Refer from Catholic church; Liturgies. Missionaries.

Refer from Biography; Christian biography; Evangelists; Heroes; Ministers (of the gospel).

Missions. See also Conversion; Revivals; Tract societies.

Refer from Catholic church; Christianity; Church history; Conversion; Foreign missions; Home missions; Religion; Theology.

Mistakes. See Blunders.

Mnemonics. See Memory.

Mobs. See Lynch law; Riots.

Modern art, geography, history, etc. See

Art, Geography, History, etc., under which subdivisions may be made if necessary.

Mohammedanism. See also Dervishes; Koran.

Refer from Islam; Koran; Mahommedanism; Polygamy; Religions.

Molding. See Casting.

Molecules. See also Atoms; Chemistry; Physics.

Refer from Atoms; Chemistry; Matter; Physics.

Mollusks. See also Oyster; Pearls.

Refer from Conchology; Invertebrates; Malacology; Marine zoology; Shells; Zoology.

Monarchy. See also Coronations; Democracy; Despotism; Emperors; Kings; Oueens; Tyranny.

Refer from Democracy; Executive power; Kings; Magistrates; Political science; Princes; Queens; Royalty; Rulers; Sovereigns.

Monasteries. See also Abbeys; Convents; Monasticism; Nunneries.

Refer from Catholic church; Convents; Monasticism.

Monasticism. See also Asceticism; Benedictines; Brotherhoods; Buddhism; Capuchins; Carthusians; Celibacy; Cistercians; Convents; Dominicans; Franciscans; Jesuits; Monasteries; Nunneries; Nuns; Sisterhoods.

Refer from Abbeys; Asceticism; Brotherhoods; Catholic church; Christian biography; Christian life; Church history; Church polity; Convents; Friars; Middle ages; Monasteries; Monks; Nunneries; Orders, monastic; Religion; Religious orders; Sisterhoods.

Money. See also Bank notes; Banks and banking; Bimetallism; Business; Capital; Coins and medals; Commerce; Counterfeits; Credit; Decimal system; Exchange; Finance; Free coinage; Gold; Greenbacks; Interest; Investments; Legal tender; Paper money; Prices; Silver; Stock exchange; Wealth.

Refer from Banks and banking; Bills of credit; Bills of exchange; Bimetallism; Bullion; Business; Capital; Coinage; Coins and medals; Commerce; Counterfeits; Credit; Currency; Economics;

Exchange; Finance; Free coinage; Gold; Legal tender; Paper money; Precious metals; Silver; Specie; Stock exchange; Volume, Worlds

change; Value; Wealth.

Monkeys. See also Apes; Gorilla.

Refer from Apes; Mammals; Zoology.

Monks. See Hermits; Monasticism.

Monograms. See also Alphabets.

Refer from Alphabets; Decoration and ornament.

Monopolies. See also Capital; Competition; Grangers; Trusts.

Refer from Capital; Commerce; Competition; Economics; Trusts.

Monotheism.

Refer from God; Theology.

Monroe doctrine.

Refer from International law.

Monsters. See also Dwarfs; Giants.

Refer from Deformities; Man; Monstrosities; Physiology; Zoology.

Monstrosities. See Monsters.

Months. See also Seasons; Year; also names of months.

Refer from Year.

Monuments. See also Archaeology; Arches of triumph; Brasses; Inscriptions; Obelisks; Pyramids; Sculpture; Tombs; Tombstones.

Refer from Archaeology; Burial; Sculpture.

Moon. See also Eclipses; Tides.

Refer from Astronomy; Eclipses; Planets.

Moot courts.

Refer from Courts; Law.

Moraines. See also Boulders; Glaciers.

Refer from Boulders; Geology; Glaciers;

Physical geography.

Moral education. See also Religious education.

Refer from Education; Ethics; Religious education.

Moral philosophy. See Ethics.

Morality-plays. See Miracle-plays.

Moravians.

Refer from Sects; United brethren.

Mormonism.

Refer from Latter-day saints; Polygamy; Religions; Sects.

Morphia. See also Opium.

Refer from Opium; Stimulants and narcotics. Morphology. See also Anatomy; Embryology; Histology.

Refer from Physiology.

Mortality.

Refer from Death rate; Vital statistics.

Mortar. See Cement.

Mortgages.

Refer from Contracts; Investments; Law; Negotiable instruments; Property; Real property; Securities.

Mosaics

Refer from Arts, fine; Decoration and ornament; Floors; Pavements; Wall decoration.

Mosses. See also Algæ; Lichens.

Refer from Botany; Bryology; Cryptogams.

Mothers. See also Children.

Refer from Children; Family; Love; Maternity; Parents; Wives; Woman.

Moths. See also Caterpillars; Lepidoptera. Refer from Insects; Lepidoptera.

Motion. See also Force; Locomotion; Mechanics; Motors; Perpetual motion.

Refer from Dynamics; Kinematics; Kinematics; Mechanics; Physics.

Motors. See also Compressed air; Dynamos; Electric motors; Engines; Locomotives; Machinery; Steam-engine; Waterwheels; Windmills.

Refer from Machinery; Mechanics; Motion; Physics; Power.

Mottoes. See also Devices.

Refer from Devices; Literature.

Mould. See also Fungi.

Refer from Fungi.

Moulding. See Casting.

Mound-builders. See also Indians; U. S., Antiquities.

Refer from Archaeology; Ethnology; Indians of North America.

Mounds. See also Shell mounds.

Refer from Archaeology; Barrows; Burial; Tombs; Tumuli.

Mountaineering. See also Alpine clubs.

Refer from Alpine clubs; Mountains; Sports.

Mountains. See also Alpine clubs; Alpine plants; Alpine zoology; Avalanches; Geology; Mountaineering; Physical geography; Volcanoes; also names of mountains.

Refer from Geology; Physical geography.

Mouth: See also Lockjaw; Teeth.

Refer from Anatomy; Face; Head.

Mummies. See also Embalming.

Refer from Archaeology; Burial; Embalming.

Municipal corporations. See also Municipal government; Towns.

Refer from Corporations; Law; Municipal government; Municipal law.

Municipal government, See also Cities; Local government; Municipal corporations.

Refer from Cities; Local government; Municipal corporations; Political science; Towns.

Municipal law. See Law; Municipal corporations.

Mural decoration. See Wall decoration.

Murder. See also Assassination; Infanticide; Poisons; Suicide; Treason; Trials.

Refer from Assassination; Criminal law;
Death; Homicide; Law.

Museums. See also Art galleries; Botanical museums; Exhibitions; also names of museums.

Refer from Exhibitions.

Mushrooms. See also Fungi.

Refer from Food; Fungi; Toadstools.

Music. See also Anthems; Cantatas; Carols; Chanting; Chants; Church music; Composition; Concerts; Counterpoint; Duets; Glees: Harmony; Hymns; Instrumental music; Instrumentation; Masses; Musical education; Musical instruments; Musicians; National songs; Opera; Oratorio; School music; Singing; Songs; Sound; Symphonies; Voice.

Refer from Amusements; Arts, fine; Composition, musical; Criticism; Esthetics; Harmony; Instrumental music; Singing; Sound; Vocal music; Voice.

Musical education. See also Voice.

Refer from Education; Music.

Musical instruments. See also Instrumental music; Instrumentation; Orchestral music; Organ; Pianoforte; Tuning; Violin.

Refer from Instrumental music; Instruments; Music.

Musicians. See also Pianists; Singers.

Refer from Artists; Authors; Biography; Composers; Music.

Mutiny.

Refer from Criminal law; Law; Maritime law; Military art and science.

Mutual benefit societies. See Friendly societies.

Mycology. See Fungi.

Mysteries (dramatic). See Miracle-plays.

Mysteries (religious). See also Mythology. Refer from Mythology; Religion.

Mysticism. See also Rosicrucians.

Refer from Philosophy; Religion; Theology.

Mythology. See also Animals, legends and stories of; Animals, worship of; Archaeology; Argonauts; Aryans; Classical dictionaries; Fairy tales; Fauns; Folklore; Indians; Legends; Mysteries; Religions; Sagas; Superstition; Totems.

Refer from Archaeology; Classical antiquities; Ethnology; Folk-lore; God; Heroes; Legends; Mysteries (religious); Religion; Religions; Superstition.

Names (geographical).

Refer from Etymology; Geographical names; Geography; Language.

Names (personal). See also Nicknames; Pseudonyms.

Refer from Etymology; Language; Proper names; Surnames.

Narcotics. See Stimulants and narcotics.

Nasal passages. See Nose.

National banks. See Banks.

National songs. See also Folk-songs.

Refer from Folk-songs; Music; Songs.

Nationalism. See Socialism.

Nations, law of. See International law.

Natural history. See also Aquarium; Biology; Botany; Chemistry; Classification; Evolution; Geology; Hunting; Man; Microscope; Mineralogy; Naturalists; Nature; Nature study; Ocean; Paleontology; Physical geography; Physics; Science; Taxidermy; Zoology.

Refer from Biology; Botany; History, natural; Natural science; Nature; Outdoor life; Science; Zoology.

Natural philosophy. See Physics.

Natural religion. See also Atheism; Christianity; Creation; Deism; Ethics; Future life; God; Religion; Religion and science; Theology.

Refer from Atheism; God; Natural the-

ology; Philosophy; Religion; Religion and science; Theology.

Natural science. See Natural history; Physics; Science.

Natural selection. See Evolution.

Natural theology. See Natural religion.

Naturalists. See also Scientists.

Refer from Authors; Biography; Natural history; Scientists.

Naturalization. See also Citizenship.

Refer from Aliens; Allegiance; Citizenship; Immigration; International law; Suffrage.

Nature. See also Earth; Natural history; Science.

Refer from Natural history; Philosophy; Physical geography; Science.

Nature study. See also Object-teaching.

Refer from Education; Kindergarten; Natural history; Object-teaching; Science; Teaching.

Nautical almanacs.

Refer from Almanacs; Astronomy; Ephemerides; Navigation.

Nautical astronomy. See also Latitude; Longitude; Navigation.

Refer from Astronomy; Navigation.

Nautical surveying. See also Navigation; Surveying.

Refer from Hydrography; Marine surveying; Maritime surveying; Navigation; Surveying.

Naval architecture. See Ship-building.

Naval art and science. See also Armored vessels; Blockade; Naval artillery; Naval biography; Naval history; Naval hygiene; Naval tactics; Navigation; Privateering; Ship-building; Submarine warfare; Torpedoes.

Refer from Fighting; Military art and science; Naval warfare; Navy; Science; Sea power; Ships; Strategy; War.

Naval artillery.

Refer from Artillery; Naval art and science; Ordnance.

Naval battles. See Naval history.

Naval biography. See also Admirals; Sailors. Refer from Admirals; Biography; Naval art and science; Naval history; Sailors.

Naval history. See also Battles; Buccaneers; Naval biography; Navigation; Pirates; Privateering.

Refer from History; Military history;

Naval art and science; Naval battles; Navigation; Sea power.

Naval hygiene. See also Quarantine; Seasickness.

Refer from Hygiene; Medicine; Military hygiene; Naval art and science.

Naval surgery. See also Amputation; Military surgery: Wounds.

Refer from Military surgery; Surgery.

Naval tactics.

Refer from Naval art and science; Tactics.

Naval warfare. See Naval art and science.

Navigation. See also Aerial navigation; Beacons; Boating; Canals; Canoeing; Coast pilots; Collisions; Commerce; Compass; Harbors; Inland navigation; Knots; Latitude; Life-boats; Lighthouses; Longitude; Nautical almanacs; Nautical astronomy; Nautical surveying; Naval history; Ocean; Pirates; Rowing; Sailing; Sailors; Ship-building; Ships; Shipwrecks; Signals; Steam navigation; Voyages and travels; Yachting.

Refer from Arts, useful; Astronomy; Boating; Carriers; Commerce; Locomotion; Mathematics; Nautical astronomy; Nautical surveying; Naval art and science; Naval history; Ocean; Sailing; Seamanship; Ships; Steam navigation; Trigonometry; Vessels; Yachting.

Navy. See Naval art and science; also names of countries, subhead Navy. Nebulæ.

Refer from Astronomy.

Necessity. See also Liberty of the will; Predestination.

Refer from Liberty of the will; Philosophy.

Necromancy. See Conjuring; Witchcraft.

Needlework. See also Dressmaking; Embroidery; Fancy work; Lace; Sewing schools; Tapestry.

Refer from Arts, fine; Domestic economy; Dressmaking; Embroidery; Fancy work; Lace; Manufactures; Sewing; Woman. Negligence.

Refer from Law.

Negotiable instruments. See also Bonds; Commercial law; Exchange; Interest; Investments; Mortgages; Stocks. Refer from Commercial law; Law.

Negroes. See also African colonization; Color of man; Freedmen; Slave-trade; Slavery.

Refer from Colored people; Ethnology; Freedmen; Slavery.

Nerves.

Refer from Anatomy; Nervous system.

Nervous system (including diseases). See also Brain; Headache; Hysteria; Insanity; Mind and body; Nerves; Neuralgia; Spine; Temperament.

Refer from Anatomy; Brain; Insanity; Medicine, practice of; Mind and body; Neurology; Physiology; Spine; Temperament.

Nestorians.

Refer from Eastern churches; Sects.

Nests. See also Birds; Eggs. Refer from Birds; Zoology.

Neuralgia.

Refer from Medicine, practice of: Nervous system.

Neurology. See Nervous system.

Neutrality. See also Blockade; International law.

Refer from Blockade; International law; Law.

New church. Sec New Jerusalem, church of the.

New Jerusalem, church of the.

Refer from New church; Sects; Swedenborgianism.

New-year.

Refer from Holidays.

Newspapers. See also Journalism; Liberty of the press; Periodicals.

Refer from Journalism; Literature; Periodicals; Press.

Nicene creed.

Refer from Church of England; Creeds.

Nicknames. See also Pseudonyms.

Refer from Names (personal); Pseudonyms; Sobriquets; Soubriquets.

Night. See also Dew; Dreams; Nightmare; Sleep; Somnambulism.

Refer from Days.

Nightmare. See also Dreams.

Refer from Dreams; Incubus; Night; Sleep.

Nihilism. See also Anarchy; Russia.

Refer from Anarchy; Philosophy; Political science; Secret societies.

Nobility. See Heraldry; Peerage.

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Noise. See also Sound.

Refer from Sound.

Noms de plume. See Pseudonyms.

Nonconformists. See also Church of Eng-

land; Dissenters; Nonjurors; Puritans.

Refer from Christian biography; Church of England; Dissenters; Puritans.

Nonjurors.

Refer from Church of England; Dissenters; Nonconformists; Puritans.

Nonresistance. See Peace.

Normal schools.

Refer from Education; Schools; Teachers.

North American Indians. See Indians of North America.

North pole. See also Arctic regions.

Refer from Arctic regions; Earth; Polar regions.

Northeast boundary of the U.S.

Refer from Boundaries.

Northeast passage. See also Arctic regions. Refer from Arctic regions.

Northern lights. See Aurora.

Northmen. See also America, Discovery; Scandinavia.

Refer from Vikings.

Northwest boundary of the U.S.

Refer from Boundaries.

Northwest passage. See also Arctic regions.

Refer from Arctic regions.

Nose. See also Catarrh; Smeli.

Refer from Anatomy; Breathing; Face; Head; Nasal passages; Smell.

Novelists.

Refer from Authors; Fiction.

Novels. See Fiction.

Nuisance (law).

Refer from Law.

Nullification. See also State rights.

Refer from Political science; State rights.

Numbers [theory of]. See also Arithmetic; Numerals.

Refer from Algebra; Arithmetic; Mathematics; Numerals.

Numerals [the signs and words]. • See also Numbers.

Refer from Arithmetic; Mathematics; Numbers.

Numismatics. See Coins and medals.

Nunneries. See also Abbeys; Convents; Monasticism; Nuns.

Refer from Catholic church; Church history; Convents; Monasteries; Monasticism; Nuns; Sisterhoods.

Nuns. See also Nunneries.

Refer from Monasticism; Nunneries; Sisterhoods; Woman.

Nurses and nursing. See also Accidents; Diet: Hospitals.

Refer from Hospitals; Hygiene; Invalids; Medicine; Medicine, practice of; Therapeutics; Woman.

Oaths. See also Swearing.

Refer from Ethics; Political science; Swearing.

Obelisks.

Refer from Archaeology; Architecture; Monuments.

Obesity. See Corpulence.

Object-teaching. See also Kindergarten; Nature study.

Refer from Education; Kindergarten; Nature study: Teaching.

Occult sciences. See also Alchemy; Astrology; Divination; Second sight; Spiritualism; Theosophy; Witchcraft.

Refer from Magic: Superstition; Witch-craft.

Ocean. See also Algæ; Commerce; Dredging; Marine zoology; Naval; Navigation; Phosphorescence; Physical geography; Seashore; Seasickness; Ships; Shipwrecks; Tides; Voyages and travels; Water; Waves.

Refer from Currents; Dredging; Marine zoology; Meteorology; Natural history; Navigation; Physical geography; Sea; Seashore: Tides; Water.

Odd-fellows.

Refer from Friendly societies; Independent order of odd-fellows; Secret societies.

Odes. See also Lyric poetry.

Refer from Lyric poetry; Poetry.

Odontology. See Teeth.

Odors. See also Perfumery; Smell.

Refer from Flowers; Perfumes.

Office, tenure of. See Civil service.

Oil. See also Lamps; Petroleum.

Refer from Fat; Lighting. Oil-painting. See also Painting.

Refer from Painting.

Old age. See also Age; Longevity; Pensions.

Refer from Age; Longevity

Omens. See also Astrology; Divination; Oracles.

Refer from Divination; Presages; Signs; Superstition; Warnings.

Ontology. See Being; Philosophy.

Oology. See Birds; Eggs. Opera. See also Amateur operas.

Refer from Amusements; Drama; Music; Theatre.

Ophthalmia. See Eye.

Opium. See also Morphia.

Refer from Morphia; Stimulants and narcotics; Temperance.

Optical instruments. See also Astronomical instruments; Kaleidoscope; Magic lantern; Microscope; Polariscope; Spectacles; Spectrum; Stereoscope; Telescope.

Refer from Instruments; Light; Optics; Philosophical instruments.

Optics. See Light; Optical instruments.

Oracles.

Refer from Omens; Prophecies; Religion; Superstition

Orations. See also Oratory.

Refer from Addresses; Elocution; Literature; Oratory; Readers and speakers; Speeches.

Oratorio. See also Cantatas.

Refer from Church music; Music.

Orators.

Refer from Biography; Elocution: Speak-

Oratory. See also Debating; Elocution; Eloquence; Gesture; Lecturing; Orations; Preaching; Rhetoric; Voice.

Refer from Debating; Elocution; Eloquence; Orations; Rhetoric; Speaking; Speeches; Voice.

Orchards. See Fruit.

Orchestral music. See also Instrumental

Refer from Instrumental music: Musical instruments.

Orchids.

Refer from Botany; Floriculture; Flowers.

Orders (architectural).

Refer from Architecture.

Orders, monastic. See Monasticism. Orders of knighthood. See Chivalry.

Ordination.

Refer from Bishops; Church polity; Clergy; Episcopacy; Ministers (of the gospel); Priests; Rites and ceremonies; Sacraments.

Ordnance. See also Ammunition; Arsenals; Artillery; Firearms; Gunnery; Gunpowder; Military art and science; Naval artillery; Projectiles.

Refer from Arms and armor; Artillery; Cannon; Firearms; Gun; Gunnery; Military art and science; Projectiles.

Ores. See Metals; Mineralogy; Mines and mining.

Organ. See also Church music.

Refer from Church music: Musical instru-

Origin of species. See Evolution; Species.

Original sin. See Sin.

Ornament. See Decoration and ornament. Ornamental alphabets. See Alphabets: Illumination.

Ornithology. See Birds.

Orphans. See also Adoption: Foundlings. Refer from Children.

Orthodoxy. See also Calvinism; Congregationalism.

Refer from Calvinism; Congregationalism; Theology.

Orthoppy. See Phonetics; Pronunciation.

Orthographic projection. See Projection.

Orthography. See Spelling. Orthopedics. See Deformities.

Osteology. See Bones.

Outdoor life. See also Camping: Country life; Fishing; Hunting: Natural history; Sports.

Refer from Country life; Rural life.

Ox. See also Cattle.

Refer from Agriculture; Cattle: Domestic animals.

Oxford movement.

Refer from Catholic church; Church of England; Puseyism; Tractarianism.

Oyster. See also Pearls.

Refer from Food; Mollusks.

Pageants. See also Processions.

Refer from Archaeology; Festivals; Processions.

See also Anesthetics: Pleasure; Suffering; Vivisection.

Refer fram Emotions; Pleasure; Psychology; Suffering.

Paint. See also Color; Painting.

Refer from Chemistry; Painting; Painting, mechanical; Pigments.

Painted glass. See Glass-painting.

Painters. See also Artists.

Refer from Artists; Biography; Painting.

Painting. See also Anatomy for artists: Artists; Arts, fine; China painting; Color; Decoration; Drawing; Esthetics; Figure painting; Frescoes; Glasspainting; Illumination; Landscape painting; Miniature painting; Oil-painting; Paint; Painters; Painting, mechanical; Paintings; Perspective; Portrait painting; Wall decoration; Water-color painting.

Refer from Archaeology; Arts, fine; Color; Composition; Decoration and ornament; Graphic arts; Oil-painting; Paint; Paintings; Sketching; Watercolor painting.

Painting, mechanical. See also Alphabets; Carriage painting; Color; Gilding; Graining; House painting; Marbling; Paint; Sign painting; Varnishing.

Refer from Arts, useful; Carriage painting; Graining; House painting; Painting; Sign painting; Varnishing.

Paintings. See also Art galleries; Painting; Portraits.

Refer from Painting; Pictures.

Palaces.

Refer from Architecture.

Paleography. See Inscriptions; Manuscripts; Writing.

Paleontology. See also Footprints; Geology.

Refer from Botany; Fossils; Geology;
Man; Natural history; Petrifaction;
Science; Zoology.

Palmistry.

Refer from Amusements; Cheirosophy; Chiromancy; Divination; Fortune-telling; Hand; Superstition.

Palsy. See Paralysis.

Panics. See also Speculation.

Refer from Commerce; Commercial crises; Crises; Economics; Finance; Speculation; Stock exchange.

Pantheism. See also God.

Refer from God; Philosophy; Religion; Skepticism; Theology.

Pantomime. See also Gesture; Shadow pantomimes.

Refer from Acting; Amateur theatricals; Amusements; Drama; Gesture; Sign language; Theatre.

Papacy. See Catholic church; Popes.

Paper. See also Marbling.

Refer from Manufactures; Printing; Stationery; Writing.

Paper-hanging.

Refer from House decoration; Wall decoration.

Paper money. See also Bank notes; Banks; Finance; Greenbacks; Legal tender; Money.

Refer from Bank notes: Bills of credit; Bills of exchange; Counterfeits; Greenbacks; Money.

Parables. See also Allegories; Bible; Fables: Jesus Christ.

Refer from Allegories ; Bible ; Jesus Christ.

Paradise. See also Fall of man

Refer from Bible.

Paralysis. See also Apoplexy.

Refer from Brain; Medicine, practice of; Palsy.

Parasites. See also Bacteria; Fungi.

Refer from Botany: Insects: Medicine, practice of; Skin; Worms: Zoology.

Parents. See also Ancestor-worship; Children; Domestic education; Family; Fathers; Heredity; Mothers.

Refer from Children; Ethics; Family.

Parks. See also Commons; Landscape gardening.

Refer from Land; Landscape gardening. Parliament. See England, Parliament; also names of other countries.

Parliamentary practice.

Refer from Debating; Law; Legislation; Rules of order.

Parody.

Refer from Literature; Poetry; Satire; Wit and humor.

Parsees. See also Avesta.

Refer from Avesta; Fire-worshipers; Religions.

Parsons. See Ministers (of the gospel).

Parties. See Balls.

Parties, political. See also names of parties.

Refer from Political parties; Political science.

Partnership. See also Agents; Corporations.

Refer from Commerce; Commercial law; Contracts; Law.

Passion-play. See Miracle-plays.

Passions. See also Emotions; Gambling;

Refer from Emotions; Ethics; Philosophy; Psychology.

Passover. See also Lord's supper. Refer from Jews; Lord's supper.

Pastoral poetry.

Refer from Bucolic poetry; Country life; Eclogues; Poetry; Rural poetry.

Pastors. See Clergy; Ministers: Preaching.

Pastry. See Cookery.

Patents. See also Inventions: Trade-marks. Refer from Arts, useful; Discoveries (in science); Inventions; Law; Machinery; Manufactures; Trade-marks.

Pathology. See also Abscess; Autopsy; Bacteria; Blood; Contagion; Diagnosis; Epidemics; Fever; Germ theory; Hair; Hemorrhage; Histology; Hygiene; Inflammation; Longevity; Malaria; Medicine.

Refer from Clinical medicine: Disease; Hygiene; Medicine; Physiology; Surgery; Therapeutics.

Patience.

Refer from Ethics.

Patience (game).

Refer from Cards; Games; Solitaire.

Patriarchs.

Refer from Bible; Biography; Jews.

Patriotism.

Refer from Citizenship; Ethics; Political science.

Patristics. See Fathers of the church.

Patrons of husbandry. See Grangers.

Pattern-making.

Refer from Casting; Mechanical drawing; Metals.

Pauperism. See Poor.

Pavements. See also Concrete; Mosaics; Roads,

Refer from Floors; Roads.

Pawnbroking.

Refer from Banks and Banking; Commerce.

Peace.

Refer from Ethics; International law; Military art and science; Nonresistance; Sociology; War.

Pearls.

Refer from Diving; Jewelry; Mollusks; Oyster; Precious stones.

Peasantry.

Refer from Agriculture; Country life; Labor.

Peat

Refer from Fuel; Geology; Manures; Physical geography.

Pedagogics. See Teaching. Pedestrianism. See Walking. Pedigrees. See Genealogy; Heraldry; Horse.

Peerage. See Heraldry.

Refer from Baronage; Baronetage; Biography; Heraldry; Nobility.

Penal institutions. See Prisons; Reformatories.

Penance. See also Absolution: Confession; Pilgrimage; Repentance.

Refer from Absolution; Catholic church; Church polity; Confession; Repentance; Sacraments; Theology.

Pendulum.

Refer from Astronomy; Clocks and watches; Geodesy; Physics; Time-keepers.

Penitence. See Repentance.

Penitentiaries. See Prisons.

Penmanship. See also Alphabets; Writing. Refer from Handwriting; Writing.

Penology. See Punishment.

Pensions.

Refer from Old age; Poor; Soldiers.

People. See also Democracy; Folk-lore; Labor; Liberty; Poor; Sociology. Refer from Sociology.

Perfumery.

Refer from Chemistry; Cosmetics; Costume; Manufactures; Odors; Perfumes; Toilet.

Perfumes. See Odors; Perfumery.

Periodicals. [All special periodicals should be entered under their subject. They may also be entered here alphabetically under title.] *See also* Advertising; Journalism; Liberty of the press; Newspapers.

Refer from Journalism; Literature; Magazines; Newspapers; Press.

Perpetual motion.

Refer from Mechanics; Motion.

Persecution. See also Friends; Huguenots; Inquisition; Jews; Liberty of conscience; Martyrs; Massacres; Religious liberty; Witchcraft.

Refer from Catholic church; Church history; Fanaticism; Heresy; Liberty of conscience; Martyrs; Religious liberty.

Personal liberty. See Liberty.

Personal property. See also Property; Sale; Taxation.

Refer from Law; Property.

Perspective. See also Drawing; Projection; Shadows.

Refer from Drawing; Geometrical drawing; Geometry; Light; Painting; Projection.

Pessimism.

Refer from Philosophy.

Pests. See Agricultural pests; Fungi; Household pests; Insects.

Petrifaction. See Paleontology.

Petrography. See Rocks.

Petroleum.

Refer from Fuel; Geology; Oil.

Petrology. See Rocks.

Pets. See Domestic animals.

Phanerogams. See also Botany, and references under that heading.

Refer from Botany.

Phantoms. See Apparitions.

Pharmacy. See also Apothecaries; Drugs; Homeopathy; Materia medica; Prescriptions.

Refer from Apothecaries; Chemistry; Drugs; Materia medica; Medicine; Prescriptions; Therapeutics.

Philanthropists.

Refer from Biography; Philanthropy.

Philanthrophy. See Charities; Charity; Philanthropists; Social settlements.

Philology. See Language.

Philosophers.

Refer from Biography.

Philosophical instruments. See also Airpump; Astronomical instruments; Optical instruments.

Refer from Instruments.

Philosophical societies. See names of societies.

Philosophy. See also Agnosticism; Atheism; Axioms; Being; Belief; Biology; Brain; Certainty; Chance; Christianity; Consciousness; Creation; Deism; Emotions; Epicureans; Esthetics; Eternity; Ethics; Evidence; Evolution; Fate: Force; Future life; Genius; God; Habit; History, philosophy of; Idealism; Imagination; Infinite; Insanity; Intellect; Knowledge; Liberty; Logic; Man; Materialism; Matter; Memory; Mind and body; Mysticism; · Natural religion; Nature; Necessity; Nihilism; Pantheism; Passions; Pessimism; Physics; Platonists; Positivism; Psychology; Rationalism; Realism; Reason; Religion; Religion and science; Scholastic philosophy; Science; Senses; Skepticism; Soul; Space; Spiritualism; Stoics; Supernatural; Theism; Theology; Time; Transcendentalism; Trinity; Truth; Universe; Utilitarianism; Will.

Refer from Ethics; Knowledge; Life; Mental philosophy; Metaphysics; Ontology; Psychology; Reason; Religion; Science; Theology; Thinking; Thought.

Philosophy, moral. See Ethics. Philosophy, natural. See Physics.

Philosophy of history. See History, philosophy of.

Phonetics. See also Alphabet; Pronunciation; Spelling.

Refer from Language; Orthoepy: Phonology; Pronunciation; Sound.

Phonograph.

Refer from Electricity; Sound.

Phonography. See Shorthand.

Phonology. See Phonetics.

Phosphates.

Refer from Chemistry; Fertilizers; Manures.

Phosphorescence.

Refer from Botany; Light; Ocean; Zoology.

Photo-engraving, etc. See also Heliotypes.

Refer from Book illustration; Engraving;
Heliotypes; Photography; Process work.

Photography. See also Astronomical photography; Camera; Composite photography; Daguerreotype; Heliotypes; Photo-engraving, etc.; Photomicrography; X rays.

Refer from Arts, fine; Arts, useful; Camera; Chemistry; Daguerreotype; Light; Printing.

Photomicrography.

Refer from Microphotography; Microscope; Photography.

Phrase-books. See names of languages.

Phrenology. See also Physiognomy.

Refer from Brain; Character; Head; Man; Physiognomy; Physiology; Psychology.

Physical culture. See Physical education.

Physical education. See also Exercise; Gymnastics; Running; Sports; Training; Walking.

Refer from Athletics; Education; Exercise; Gymnastics; Hygiene; Manly ex-

ercise; Physical culture; Physical training; Recreation; Sports; Training.

Physical geography. See also Beaches; Caves; Climate; Deserts; Earth; Earthquakes; Erosion; Geography; Geology; Geysers; Glaciers; Ice; Islands; Lakes; Meteorology; Moraines; Mountains; Nature; Ocean; Peat; Ponds; Rivers; Seashore; Springs; Tides; Tropics; Valleys; Volcanoes; Water; Waterfalls; Waterspouts; Waves.

Refer from Earth; Geography; Geology; Meteorology; Mountains; Natural history; Ocean; Physics; Physiography; Science; Water.

Physical geology. See Geology.

Physical training. See Physical education.

Physicians. See also Surgeons.

Refer from Biography; Doctors; Medicine.
Physics. See also Air; Astronomy; Atoms;
Barometer; Chemistry; Electricity;
Fluids; Force; Friction; Gases; Gravitation; Heat; Hydraulic engineering;
Light; Liquids; Magnetism; Matter;
Mechanics; Meteorology; Molecules;
Motion; Motors; Pendulum; Physical
geography; Radiation; Solids; Sound;
Statics; Steam; Thermometer; Units;
Water.

Refer from Atoms; Chemistry; Experiments; Gravitation; Mathematics; Matter; Mechanics; Molecules; Natural history; Natural philosophy; Natural science; Philosophy; Philosophy, natural; Science.

Physiognomy. See also Phrenology.

Refer from Character; Expression; Face; Head; Man; Phrenology; Physiology; Psychology.

Physiography. See Geology; Physical geography.

Physiology. See also Anatomy; Animal magnetism; Biology; Blood; Brain; Breathing; Color of man; Deformities; Degeneration; Digestion; Embryology; Heredity; Hygiene; Longevity; Man; Medicine; Mind and body; Monsters; Morphology; Nervous system; Pathology; Phrenology; Physiognomy; Protoplasm; Senses; Sex; Sleep; Voice; Woman, Diseases.

Refer from Anatomy; Biology; Body, human; Human body; Hygiene; Man; Medicine; Zoology. Pianists.

Refer from Musicians; Pianoforte.

Pianoforte. See also Pianists.

Refer from Musical instruments.

Pictures. See Art galleries; Drawings; Engravings; Etchings; Heliotypes; Paintings; Portraits.

Picturesque. See also Esthetics; Landscape.

Refer from Esthetics.

Pig. See Hog.

Pigeons.

Refer from Birds: Domestic animals.

Pigments. See Color; Dyeing; Paint.

Pigmies. See Dwarfs.

Pilgrim fathers. See also Massachusetts; Plymouth.

Refer from Biography; Christian biography.

Pilgrimage.

Refer from Catholic church; Penance; Travel.

Pillory.

Refer from Punishment.

Piracy. See Pirates.

Pirates. See also Buccaneers.

Refer from Buccaneers; Corsairs; Criminal law; Naval history; Navigation; Piracy.

Pisciculture. See Fish-culture.

Pistol

Refer from Arms and armor; Firearms.

Plague. See also Epidemics.

Refer from Contagion; Epidemics; Medicine, practice of.

Planets. See also Asteroids: Astrology; Astronomy; Earth; Moon: Plurality of worlds; Solar system: Transits.

Refer from Astronomy; Solar system; Stars.

Planting. See Agriculture; Forestry; Gardening; Landscape gardening.

Plants. See Agriculture; Botany; Floriculture; Flowers; Gardening.

Plastering.

Refer from Architecture; Masonry; Wall decoration.

Plate. See also Goldsmithing; Silversmithing.

Refer from Goldsmithing; Jewelry; Metalwork; Silver: Silversmithing.

Plating. See also Electroplating: Gilding. Refer from Metal-work; Silverplating.

Platonists.

Refer from Philosophy.

Players. See Actors: Actresses.

Playing-cards. See Cards.

Playright. See Copyright.

Plays. See Drama; Games; Sports.

Pleading. See also Actions at law; Forms; Law; Trials.

Refer from Actions at law; Forms (in law); Law; Trials.

Pleasure. See also Contentment; Happiness; Pain.

Refer from Emotions; Ethics; Happiness; Pain; Psychology.

Plumbing. See also Sanitary engineering: Soldering.

Refer from Architecture; Arts, useful; House drainage; Lead; Sanitary engineering; Water-supply.

Plurality of worlds.

Refer from Astronomy; Planets; Theology; Universe; Worlds, plurality of.

Pneumatic transmission. See Compressed air.

Pneumatics. See Gases.

Pneumonia. See also Lungs.

Refer from Chest; Lungs; Medicine, practice of.

Poaching. See also Game laws. Refer from Game laws; Sports.

Poetry. See also Ballads; Bards; Children's
poetry; Drama; Elegiac poetry; Epic
poetry; Epigrams; Hymns; Literature;
Lyric poetry; Metre; Minnesingers;
Odes; Parody; Pastoral poetry; Poets;
Prosody; Quotations; Readers and
speakers; Religious poetry; Rhyme;
Satire; Songs; Sonnets; Troubadours;
Trouvères; Versification; War poetry;
Wit and humor.

Refer from Ballads; Literature; Metre; Prosody; Readers and speakers; Rhetoric; Romances; Versification.

Poets. See also Dramatists; Minnesingers; Minstrels; Troubadours; Trouvères.

Refer from Authors; Biography; Poetry. Poisons. See also Medical jurisprudence.

Refer from Accidents; Chemistry; Medical jurisprudence; Medicine; Murder; Therapeutics; Toxicology.

Polar regions. See Antarctic; Arctic; North pole.

Polariscope.

Refer from Light; Optical instruments.

Police. See also Constables; Crime; Detectives; Prisons.

Refer from Crime; Detectives; Law; Political science; Prisons; Town officers.

Politeness. See Etiquette.

Political economy. See Economics.

Political parties. See Parties.

Political science. See also Anarchy; Ballot; Caucus: Church and state; Citizenship; Civil rights; Civil service; Civilization; Colonies; Communism; Crime; Democracy: Despotism; Diplomacy; Economics : Election ; Executive power ; Federal government; Feudalism; Finance; Free institutions; Immigration; Imperial federation; Individualism; Law; Legislation; Liberty; Local government; Magistrates; Minorities; Monarchy; Municipal government; Nihilism; Nullification; Oaths; Parties; Patriotism; Police; Prisons; Property; Punishment; Rebellion; Reciprocity: Referendum; Religious liberty; Representation; Republics; Revolutions; Riots; Secession; Serfdom; Slavery; Socialism; Sociology: State rights: Statesmen; Statistics; Suffrage: Taxation: Town-meeting; Town officers: Towns: Treaties: Tyranny: Utopia: Veto: Village communities: Villages.

Refer from Adminstration; Civil government; Democracy; Ethics: Government; History: Legislation; Republics; Science; Social science; Sociology; State, the: Statesmanship.

Polygamy. See also Marriage; Mohammedanism: Mormonism.

Refer from Marriage.

Polytechnic schools. See Technical education.

Polytheism. See also Religions.

Refer from God; Religions.

Pomology. See Fruit.

Ponds. See also Lakes.

Refer from Lakes; Physical geography; Water.

Poor. See also Almshouses; Begging; Charities; Friendly societies; Labor; Pensions; Poor laws; Social settlements; Tenement-houses; Tramps.

Refer from Almsgiving; Almshouses; Begging: Benevolence: Charities: Dangerous classes; Economics; Ethics; Labor; Pauperism; People; Poverty; Social settlements; Sociology; Tenement-houses; Vagrancy.

Poor laws.

Refer from Law; Poor; Vagrancy.

Poorhouses. See Almshouses.

Popes. See also Apostolic succession; Catholic church; Infallibility; Vatican council.

Refer from Apostolic succession; Catholic church; Christian biography; Church history; Church polity; Infallibility; Papacy; Rulers; Temporal power; Ultramontanism; Vatican; Vatican council.

Population. See also Census; Statistics.

Refer from Economics; Sociology; Statistics; Vital statistics.

Porcelain. See Pottery.

Portrait painting. See also Miniature painting.

Refer from Painting.

Portraits.

Refer from Arts, fine; Biography; Paintings; Pictures.

Ports. See Harbors.

Positivism.

Refer from Agnosticism; 'Philosophy; Religion; Religion of humanity.

Posology. See Prescriptions.

Possession (in law).

Refer from Law.

Post-mortem examinations. See Autopsy.

Post-office. See also Postage-stamps.

Refer from Mail.

Postage-stamps.

Refer from Post-office; Stamps.

Potential. See Electric potential.

Pottery. See also Bric-a-brac; China painting; Majolica; Terra-cotta; Tiles; Urns; Vases.

Refer from Archaeology; Arts, fine: Arts, useful; Bric-a-brac; Ceramics; China; China painting; Decoration and ornament; Faience; Fayence; Keramics; Majolica; Manufactures; Porcelain; Terra-cotta; Tiles; Vases.

Poultry. See also Eggs.

Refer from Agriculture; Birds; Chickens; Domestic animals; Eggs; Fowl; Hens; Incubation; Live stock.

Poverty. See Poor.

Powder. See Gunpowder.

Power. See also Force; Machinery; Mechanics; Motors.

Refer from Mechanics.

Powers (law).

Refer from Law.

Prayer. See also Lord's prayer; Prayermeetings; Prayers; Responsive worship; Ritualism; Worship.

Refer from Christian life; Devotion; Family prayer; Religion; Theology; Worship.

Prayer-meetings.

Refer from Prayer: Revivals.

Prayers. See also Devotional exercises; Litanies; Liturgies; Lord's prayer; Rosary.

Refer from Devotional exercises; Family prayer; Liturgies; Prayer; Rites and ceremonies; Worship.

Preachers. See also Clergy; Ministers (of the gospel).

Refer from Christian biography; Clergy; Ministers (of the gospel); Preaching.

Preaching. See also Preachers; Sermons.

Refer from Church polity; Clergy; Elocution; Homiletics; Ministers (of the gospel); Oratory; Pastors; Rhetoric;

Sermons; Speaking.

Precious metals. See also Gold; Money;

Refer from Economics; Gold; Metals; Silver.

Precious stones. See also Diamonds; Gems; Jewelry: Pearls.

Refer from Diamonds; Gems; Jewelry; Mineralogy; Stone.

Predestination. See also Arminianism; Calvinism; Liberty of the will; Salvation.

Refer from Calvinism: Election (in theology); Liberty of the will: Necessity; Salvation; Sin; Theology.

Predictions. See Prophecies.

Preëxistence. See also Soul; Transmigration.

Refer from Reincarnation; Soul; Transmigration.

Prehistoric archaeology. See Archaeology.

Presages. See Omens.

Presbyterianism. See also Calvinism Church of Scotland; Covenanters.

Refer from Calvinism; Church of Scotland; Church polity; Congregationalism; Dissenters; Puritans; Sects.

Prescriptions. See also Pharmacy.

Refer from Pharmacy; Posology.

Preserving. See also Cookery.

Refer from Cookery; Fruit.

Presidential government. See Democracy; Republics.

Presidents. See also Executive power; U. S., President; Veto.

Refer from Biography; Executive power; Rulers.

Press. See Journalism; Liberty of the press; Newspapers; Periodicals.

Prestidigitation. See Conjuring.

Prices. See also Economics; Value; Wages. Refer from Commerce; Cost; Economics; Finance; Manufactures; Money; Value.

Priesthood. See Priests.

Priests. See also Catholic church; Celibacy; Clergy; Curates; Ministers; Ordination. Refer from Catholic church; Church of England; Church polity; Clergy; Ministers (of the gospel); Priesthood; Protestant episcopal church in the U. S.

Primary batteries. See Electric batteries.

Prime ministers.

* Refer from Biography; Ministers (of state).

Primers. See also Readers and speakers.
Refer from Readers and speakers; Spellers;
Text-books.

Primogeniture.

Refer from Descent; Inheritance; Law.

Princes. See Monarchy.

Principal and agent. See also Contracts.

Refer from Commercial law; Contracts; Law.

Printing. See also Block-books; Calicoprinting; Electrotyping; Ink; Paper; Photography; Proof-reading; Stereotyping.

Refer from Alphabet; Arts, useful; Blockbooks; Books and reading; Bookselling; Composition; Incunabula; Literature; Publishing; Stereotyping; Type; Typography.

Prints. See Engravings

Prisons. See also Crime; Police; Punishment; Reformatories.

Refer from Crime; Criminal law; Dungeons; Imprisonment; Jails; Penal institutions; Penitentiaries; Police; Political science; Public institutions; Punishment; Reform; Reformatories; Sociology.

Private judgment. See also Liberty of conscience; Religious liberty.

Refer from Liberty of conscience; Theology.

Private schools.

Refer from Schools.

Private theatricals. See Amateur theatricals.

Privateering. See also Prizes.

Refer from International law; Letters of marque; Naval art and science; Naval history; Prizes.

Prizes. See also Privateering.

Refer from International law; Maritime law; Privateering.

Probabilities. See also Annuities; Insurance; Logic.

Refer from Betting; Chance; Errors; Gambling; Logic; Lotteries; Mathematics.

Probate. See Wills.

Probation. See Future life; Purgatory.

Procedure. See Actions at law.

Process work. See Photo-engraving, etc.

Processions. See also Pageants.

Refer from Festivals; Pageants.

Profanity. See Swearing.

Profit-sharing. See also Communism; Cooperation; Labor.

Refer from Commerce: Cooperation; Economics; Labor; Wages.

Progress. See also Civilization; Reform.

Refer from Ethics; Sociology.

Prohibited books. See also Liberty of the press.

Refer from Books and reading; Censorship of the press; Condemned books; Liberty of the press.

Prohibition. See Temperance.

Projectiles. See also Firearms; Gunnery; Ordnance.

Refer from Ammunition; Artillery; Ballistics; Firearms; Gunnery; Military art and science; Ordnance; Shells.

Projecting. See Magic lantern.

Projection. See also Geometrical drawing; Perspective.

Refer from Drawing; Geometrical drawing; Mechanical drawing; Orthographic projection; Perspective.

Pronunciation. See also Phonetics.

Refer from Elocution; Language; Orthoepy; Phonetics; Words.

Proof. See Evidence; Logic.

Proof-reading.

Refer from Printing.

Proper names. See Names.

Property. See also Administrators and

executors; Church property; Communism; Confiscation; Conveyancing; Copyright; Damages; Inheritance; Insurance; Land; Liens; Mortgages; Personal property; Real property; Rent; Sale; Socialism; Taxation; Titles; Trespass; Wealth; Wills.

Refer from Chattels; Economics; Law; Personal property; Political science; Real property; Sociology.

Prophecies. See also Bible; Divination; Fortune-telling; Jesus; Oracles; Second advent.

Refer from Bible; Divination; Predictions; Prophets; Second advent; Theology.

Prophets. See also Bible; Prophecies. Refer from Bible; Biography; Jews.

Prose. See also Literature; Rhetoric; and the references under these heads.

Refer from Literature.

Prosody. See also Accent; Metre; Poetry; Rhyme; Versification.

Refer from Accent; Grammar; Language; Metre; Poetry; Rhyme; Versification.

Prostitution.

Refer from Criminal law; Law; Woman; Woman, Law.

Protection. See Tariff.

Protestant churches. See Protestantism.

Protestant episcopal church in the U. S. See also Apostles' creed; Apostolic succession; Bishops; Church of England; Church polity; Confirmation; Episcopacy; Fasts and feasts; Lord's supper; Priests; Ritualism; Sacraments; Sisterhoods.

Refer from Church of England; Episcopacy; Episcopal church; Sects.

Protestantism. See also Catholic church; Reformation; Sects.

Refer from Catholic church; Christianity; Church history; Protestant churches; Reformation; Theology.

Protoplasm. See also Biology; Cells; Embryology.

Refer from Biology; Bioplasm; Cells; Physiology.

Proverbs. See also Epigrams; Maxims; Quotations.

Refer from Adages; Aphorisms; Apothegms; Epigrams; Literature; Maxims; Quotations; Sayings.

Pruning.

Refer from Forestry; Fruit; Trees.

Psalmody. See Bible; Church music; Hymns.

Pseudonyms. See also Nicknames.

Refer from Authors; Bibliography; Fictitious names; Names (personal); Nicknames; Noms de plume; Sobriquets; Soubriquets.

Psychology. See also Animal magnetism: Animal psychology; Apparitions; Belief; Biology; Brain; Character; Child study; Color-sense; Consciousness; Dreams; Education; Emotions; Esthetics; Ethics: Future life; Genius; Heredity; Hypnotism; Illusions; Imagination; Insanity: Instinct; Intellect; Knowledge: Liberty of the will; Logic; Memory; Mind and body: Mind-reading; Pain; Passions; Philosophy; Phrenology; Physiognomy; Pleasure; Reason; Senses; Sleep; Somnambulism; Soul; Subconsciousness; Will. Refer from Brain; Child study; Education; Emotions; Human faculties; Intellect; Man; Mental philosophy;

tion; Emotions; Human faculties; Intellect; Man; Mental philosophy; Metaphysics; Mind; Mind and body; Philosophy; Science; Soul; Thinking; Thought; Understanding: Will.

Public health. See Hygiene, public.

Public institutions. See Charities; Prisons; Public schools.

Public libraries. See Libraries.

Public schools. See also Bible in the schools; Education.

Refer from Common schools; Education; Free schools; Public institutions; Schools.

Publishers. See Booksellers.

Publishing. See Bookselling; Copyright; Printing.

Pueblos. See also Cliff-dwellings.

Refer from Indians of North America.

Pugilism. See Boxing.

Pulpits.

Refer from Church furniture.

Pumps. See also Air-pump.

Refer from Engines; Hydraulic engineering; Machinery; Water-supply.

Punctuation.

Refer from Language; Rhetoric.

Punishment. See also Capital punishment; Corporal punishment; Crime; Criminal law; Crucifixion; Flogging; Future punishment; Galleys; Guillotine; Hanging; Pillory; Prisons; Torture; Transportation (of criminals).

Refer from Crime; Criminal law; Law; Manners and customs; Penology; Political science; Prisons; Sociology; Torture.

Purgatives.

Refer from Therapeutics.

Purgatory. See also Indulgences; Future life; Future punishment.

Refer from Catholic church; Death; Future life; Future punishment; Intermediate state; Probation; Retribution; Theology.

Puritans. See also Church of England; Congregationalism; Dissenters; Friends; Nonconformists; Nonjurors; Presbyterianism.

Refer from Christian biography; Church of England; Congregationalism; Dissenters; Nonconformists.

Pus. See Suppuration.

Puseyism. See Oxford movement; Pusey, E. B.

Putrefaction. See also Contagion; Disinfection.

Refer from Contagion.

Puzzles. See also Acrostics; Charades; Enigmas; Riddles.

Refer from Amusements; Riddles.

Pygmies. See Dwarfs.

Pyramids.

Refer from Archaeology; Architecture; Monuments.

Pyrotechnics. See Fireworks.

Quacks and quackery. See also Imposture.

Refer from Imposture; Medicine.

Quadrupeds. See also Domestic animals; Mammals; Zoology.

Refer from Mammals; Zoology.

Quakers. See Friends, society of.

Qualitative analysis. See Chemistry.

Quantitative analysis. See Chemistry.

()uarantine.

Refer from Contagion; Hygiene, public; Naval hygiene.

Quarrying. See also Blasting; Mines and mining.

Refer from Blasting; Stone.

Quarternions.

Refer from Geometry; Mathematics.

Queens. See also Monarchy.

Refer from Biography; Monarchy; Rulers; Sovereigns; Woman.

Quicksilver. See Mercury.

Quotations. See also Epigrams; Maxims;

Refer from Aphorisms; Apothegms; Epigrams; Literature; Maxims; Poetry; Proverbs; Sayings.

Races of man. See Ethnology.

Racing. See Horse-racing; Rowing, etc.
Radiation. See also Heat; Light; Sound.
Refer from Heat; Light; Physics: Sound.
Ragged schools.

Refer from Charity schools: Education; Schools.

Railroads. See also Bridges; Cars; Earthwork; Electric railroads; Engineering; Horse-railroads: Locomotives: Steamengine; Street-railroads: Subways; Surveying; Tunnels.

Refer from Carriers; Commerce; Engineering; Locomotion; Locomotives; Machinery; Roads; Steam-engine; Surveying; Transportation.

Rain. See also Meteorology.

Refer from Meteorology; Water.

Rainbow.

Refer from Light; Meteorology.

Rationalism. See also Free religion: Free thought; Reason; Transcendentalism.

Refer from Free religion; Free thought; Materialism; Philosophy; Reason (in religion); Religion; Skepticism; Theology.

Readers and speakers. See also Dialogues; Orations; Poetry; Primers.

Refer from Declamation; Dialogues; Elocution; Literature; Poetry; Primers; Reading; Recitations; Speakers; Textbooks.

Reading. See Books and reading; Elocution. Real presence. See Lord's supper; Transubstantiation.

Real property. See also Conveyancing; Deeds; Easements; Land; Landlord and tenant; Mortgages; Property; Sale; Taxation; Titles.

Refer from Conveyancing; Land; Law; Property; Titles.

Realism. See also Idealism.

Refer from Idealism; Philosophy; Scholastic philosophy.

Reason. See also Animal psychology; Instinct; Logic; Philosophy.

Refer from Intellect; Philosophy; Psychology; Rationalism.

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Reason (in religion). See Rationalism.

Rebellion. See also Revolutions; also names of countries in which rebellions have taken place, as U. S., History, Civil War, England, Scotland, etc.

Refer from Political science; Revolutions.

Receipts. See also Cookery.

Refer from Arts, useful; Chemistry; Domestic economy; Manufactures.

Receivers.

Refer from Bankruptcy; Corporations; Law.

Reciprocity.

Refer from Political science; Tarift.

Recitations. See Readers and speakers.

Recreation. See Amusements; Games; Gymnastics; Physical education; Sports, etc.

Rectors. See Clergy; Ministers.

Redemption. See Salvation.

Referendum.

Refer from Democracy; Political science. Reform. See also Charities; Civil service; England, House of Commons; Prisons; and other subjects of reform.

Refer from Progress.

Reform schools. See Reformatories.

Reformation. See also Catholic church; Church history; Huguenots; Hussites; Protestantism; Thirty years' war; Waldenses; also names of countries and churches.

Refer from Catholic church; Church history; Church of Scotland; History, modern; Protestantism; Reformers.

Reformatories. See also Prisons.

Refer from Children; Crime; Education; Penal institutions; Prisons; Reform schools.

Reformers. See also Reformation.

Refer from Biography; Christian biography.

Regalia. See also Church vestments; Costume; Crowns.

Refer from Costume.

Regattas. See Rowing; Sailing.

Regeneration. See also Baptism; Conversion; Salvation.

Refer from Baptism; Conversion; Salvation; Theology.

Registers [not annual]. See also Almanacs; Year-books [for annual registers]; also names of places, religious denominations, etc. Reincarnation. See Preëxistence; Transmigration.

Relics. See also Miracles; Shrines.

Refer from Church antiquities; Miracles; Shrines; Superstition.

Religion. [Including comparative theology and history of religion. For the Christian doctrines see Theology. For evidences see Christianity.] See also Allegories; Atheism; Belief; Bible; Christian biography; Christian life; Christianity; Church history; Church polity; Conscience; Consolation; Deism; Devotional exercises; Ethics; Evil; Faith; Fanaticism; Fasts and feasts; Free religion: Future life: God: Hymns: Idolatry; Jesus Christ: Miracles: Missions; Monasticism; Mysteries: Mysticism; Mythology; Natural religion; Oracles; Pantheism; Philosophy; Positivism; Prayer; Rationalism; Religion and science; Religions; Religious education; Religious liberty; Religious poetry; Revelation; Revivals; Ritualism; Sacraments; Sacrifice; Saints; Sects; Sermons; Serpent-worship; Sin; Skepticism; Sunday; Supernatural; Superstition; Symbolism; Theism; Theosophy; Totems; Worship.

Refer from Christianity; Ethics; Faith; God; Man; Natural religion; Philosophy; Revelation; Sociology; Supernatural; Theology.

Religion and science. See also Creation; Evolution; Natural religion.

Refer from Bible; Creation; Evolution; Natural religion; Philosophy; Religion; Science; Science and religion; Theology.

Religion of humanity. See Positivism.

Religions. See also Aryans; Brahmanism; Buddhism; Christianity; Confucianism; Dervishes; Essenes; Hinduism; Idolatry; Indians; Jews; Mohammedanism; Mormonism; Mythology; Parsees: Polytheism; Rosicrucians; Sects; Serpentworship; Spiritualism; Taouism; Theosophy.

Refer from Belief; Mythology; Polytheism; Religion; Superstition.

Religious art. See Christian art; Church architecture; Temples.

Religious biography. See Christian biography.

Religious ceremonies. See Rites and ceremonies.

Religious education. See also Bible classes; Bible in the schools; Moral education; Sunday schools; Theological education.

Refer from Christian education; Christian life; Education; Moral education; Religion; Sunday schools; Theological education.

Religious festivals. See Fasts and feasts; Festivals.

Religious history. See Church history.

Religious liberty. See also Church and state; Free religion; Free thought; Liberty; Liberty of conscience; Persecution.

Refer from Catholic church; Church history; Church polity; Free thought; Intolerance; Liberty; Liberty of conscience; Persecution; Political science; Private judgment; Religion; Toleration.

Religious orders. See Brotherhoods; Chivalry; Jesuits; Monasticism; Sisterhoods.

Religious poetry. See also Hymns.

Refer from Hymns; Poetry; Religion; Sacred poetry.

Religious services. See Liturgies; Worship. Remedies (in medicine). See Therapeutics. Renaissance. See also France; Italy; Middle ages.

Refer from Arts, fine; History, modern; Literature; Middle ages; Revival of letters.

Rent. See also Land; Landlord and tenant. Refer from Economics; Land; Landlord and tenant; Law; Property.

Repentance. See also Confession; Conversion; Penance.

Refer from Conversion; Ethics; Penance; Penitence; Sin; Theology.

Reporting. See also Journalism; Shorthand.

Refer from Journalism.

Representation. See also Boroughs; Minorities; Suffrage.

Refer from Boroughs; Democracy; Election (in politics); Free institutions; Political science; Republics; Suffrage; Voting.

Reptiles. See also Batrachia; Serpents.

Refer from Herpetology; Serpents; Snakes; Vertebrates; Zoology.

Republics. See also Democracy; Federal

government; Political science; Representation; also names of republics.

Refer from Democracy; Federal government; Free institutions; Political science; Presidential government.

Repudiation. See also Debts, public.

Refer from Debts, public: Finance: Loans.

Reservoirs. See also Water-supply.

Refer from Water-supply.

Residences. See Architecture, domestic.

Respiration. See Breathing.

Responsive worship. See also Liturgies;
Ritualism.

Refer from Devotional exercises: Liturgies; Prayer; Worship.

Rest.

Refer from Hygiene; Therapeutics.

Resurrection. See also Future life; Jesus Christ.

Refer from Death; Future life; Theology. Retribution. See Future life; Future punishment; Heaven; Hell; Purgatory.

Revelation. See also Bible; Christianity; Religion; Theology.

Refer from Bible; Religion; Theology.

Revenue. See Finance: Tariff; Taxation.

Revival of letters. See Renaissance.

Revivals. See also Camp-meetings; Conversion; Prayer-meetings.

Refer from Christian life; Church history; Conversion; Missions; Religion; Theology.

Revolutions. See also Rebellion; also names of countries.

Refer from History; Political science; Rebellion.

Rhetoric. See also Allegory; Conversation; Criticism; Drama; Elocution; Eloquence; Esthetics; Letter-writing; Metaphor; Oratory; Poetry; Preaching; Punctuation; Satire; Translation.

Refer from Composition; Criticism: Elocution; Expression; Language; Letterwriting; Literature; Metaphor; Oratory; Prose; Speaking; Style; Words; Writing.

Rheumatism.

Refer from Medicine, practice of.

Rhyme. See also Prosody.

Refer from Poetry; Prosody; Versification.

Riches. See Wealth.

Riddles. See also Charades; Enigmas; Puzzles.

Refer from Amusements; Characles;

Conundrums; Enigmas; Literature; Puzzles.

Riding. See Coaching; Driving; Horse-manship.

Rifle. See also Firearms; Gun; Shooting.

Refer from Arms and armor; Firearms;
Gun; Shooting.

Right and wrong. See Ethics.

Rights of woman. See Woman.

Rings. See also Jewelry.

Refer from Finger rings; Jewelry.

Riots

Refer from History; Mobs; Political science.

Rites and ceremonies. See also Baptism;
Burial service; Canonization; Church
antiquities; Church dedication; Confirmation; Coronations; Fasts and
feasts; Funerals; Hymns; Liturgies;
Marriage; Mass; Ordination; Prayers;
Ritualism; Sacraments; Worship.

Refer from Ceremonies; Christian art and symbolism; Church antiquities; Church ceremonies; Church polity; Ecclesiastical ceremonies; Liturgies; Manners and customs; Religious ceremonies; Ritualism; Worship.

Ritualism. See also Catholic church; Church of England; Rites and ceremonies; Worship.

Refer from Church of England; Church polity; Liturgies; Prayer; Protestant episcopal church in the U. S.; Religion; Responsive worship; Rites and ceremonies; Worship.

Rivers. See also Embankments; Erosion; Floods; Hydraulic engineering; Valleys. Refer from Hydraulic engineering; Inland navigation; Physical geography; Valleys; Water.

Roads. See also Pavements; Railroads; Street cleaning; Street-railroads.

Refer from Engineering; Highways; Locomotion; Pavements; Streets; Transportation.

Robbers. See also Brigands.

Refer from Brigands; Crime; Thieves; Vagabonds.

Rocks. See also Geology; Mineralogy; Stone.

Refer from Geology; Lithology; Mineralogy; Petrography; Petrology; Stone.

Rod, the. See Corporal punishment; Flog-

Roentgen rays. See X rays.

Roman Catholic church. See Catholic church.

Roman law. See Civil law.

Romance. See Fiction; Romances.

Romances. See also Fiction; Legends; Poetry.

Refer from Fiction; Legends; Literature; Romance: Stories.

Romanism. See Catholic church.

Romanticism.

Refer from Literature.

Roofs. See also Arches; Domes; Girders; Trusses; Vaulting.

Refer from Architecture; Girders; Strength of materials; Trusses.

Rope. See also Cables; Hemp; Knots; Wire.

Refer from Cables; Hemp; Manufactures.

Refer from Beads; Catholic church; Prayers.

Rosicrucians.

Refer from Mysticism: Religions; Secret societies.

Rowing. See also Boating.

Refer from Boating: Locomotion; Navigation; Racing; Regattas; Sports.

Royalty. See Monarchy.

Rubber. See India-rubber.

Ruins. See Archaeology.

Rulers. See Emperors; Kings; Monarchy; Popes; Presidents; Queens.

Rules of order. See Parliamentary practice.

Running. See also Walking.

Refer from Animal locomotion; Locomotion; Physical education; Sports; Walking.

Rural architecture. See Architecture; Cottages; Landscape gardening.

Rural economy. See Agriculture.

Rural life. See Country life; Outdoor life.

Rural poetry. See Pastoral poetry.

Russian church. See Greek church.

Russo-Turkish war. See also Russia; Turkey.

Sabbath. See Sunday.

Sacraments. See also Baptism; Confirmation; Lord's supper; Marriage; Ordination; Penance.

Refer from Baptism; Church of England; Church polity; Lord's supper; Protestant episcopal church in the U. S.; Religion; Rites and ceremonies; Theology; Worship. Sacred art. See Christian art.

Sacred history. See Bible; Church history.

Sacred music. See Church music.

Sacred poetry. See Hymns; Religious poetry.

Sacrifice. See also Atonement.

Refer from Religion; Theology; Worship.

Saddlery. See Harness.

Sagas. See also Folk-lore; Scandinavian literature [and its subdivisions].

Refer from Folk-lore; Literature; Mythology.

Sailing. See also Boating; Canoeing; Navigation; Yachting.

Refer from Boating; Navigation; Regattas; Ships; Sports; Yachting.

Sailors. See also Naval biography.

Refer from Naval biography; Navigation; Seamen; Ships.

Sails.

Refer from Ships.

Saints. See also Canonization; Christian art and symbolism; Fathers of the church.

Refer from Bible; Biography; Canonization; Catholic church; Christian art and symbolism; Christian biography; Fathers of the church; Heroes; Iconography; Legends; Martyrs; Miracles; Religion.

Salads. See also Cookery.

Refer from Cookery.

Sale. See also Auctions; Commercial law; Conveyancing; Titles.

Refer from Commercial law; Contracts; Law; Personal property; Property; Real property; Titles; Vendors.

Salesmen, traveling. See Commercial travelers.

Salvation. See also Conversion; Future life; Predestination; Regeneration'; Soul; Universalism.

Refer from Future life; Jesus Christ; Man; Predestination; Redemption; Regeneration; Sin; Theology.

Sanctuary. See Asylum, right of.

Sanitary engineering. See also Heating; Plumbing; Sewerage; Street cleaning; Ventilation; Water-supply.

Refer from Architecture; Engineering; Hygiene, public; Plumbing; Sanitary science; Sewerage.

Sanitary science. See Hygiene; Sanitary engineering.

Satan. See Devil.

Satire. See also Caricature; Parody; Wit and humor.

Refer from Caricature; Comic literature; Lampoons; Literature; Poetry; Rhetoric; Wit and humor.

Savings-banks. See also Building associations.

Refer from Banks and banking.

Sayings. See Epigrams; Maxims; Proverbs; Quotations; Table-talk.

Scalds. See Burns and scalds.

Scarlatina. See also Scarlet fever.

Refer from Children, Diseases; Medicine, practice of: Scarlet fever.

Scarlet fever. See also Scarlatina.

Refer from Children, Diseases; Contagion; Fever; Medicine, practice of; Scarlatina.

Scepticism. See Skepticism.

Scholastic philosophy. See also Realism. Refer from Philosophy.

School-books. See Text-books.

School-houses. See also School hygiene.

Refer from Architecture; Education;
Schools.

School hygiene.

Refer from Education; Hygiene, public; School-houses; Schools.

School music.

Refer from Education; Music; Songs.

Schoolmasters. See Teachers.

Schools. See also Academies; Charity schools; Colleges; Education; Grammar schools; Kindergarten; Normal schools; Private schools; Public schools; Ragged schools; School-houses; School hygiene; Sewing schools; Sunday schools.

Refer from Education.

Science. See also Arts, useful; Astronomy;
Biology; Botany; Chemistry; Economics; Ethics; Ethnology; Evolution;
Geography; Geology; History; Instruments; Inventions; Language; Law;
Logic; Man; Mathematics; Medicine;
Meteorology; Microscope; Military art and science; Mineralogy; Natural history; Nature; Nature study; Naval art and science; Paleontology; Philosophy;
Physical geography; Physics; Political science; Psychology; Religion and science; Scientists; Sociology; Theology; Weights and measures; Zoology.
Refer from Discoveries (in science);

Knowledge; Natural history; Natural science; Nature; Philosophy.

Science and religion. See Religion and science.

Scientific apparatus. See also Instruments.

Refer from Instruments.

Scientific associations. See Scientific societies.

Scientific education.

Refer from Education.

Scientific men. See Scientists.

Scientific societies.

Refer from Scientific associations; Societies.

Scientists. See also Astronomers; Botanists; Electricians; Naturalists.

Refer from Authors; Biography; Naturalists; Science; Scientific men.

Scouring. See Cleaning; Dyeing.

Scriptures. See Bible.

Sculptors. See also Artists.

Refer from Artists; Biography; Sculpture.

Sculpture. See also Anatomy for artists; Arts, fine; Bas-relief; Bronzes; Carving; Drawing; Esthetics; Ivory; Monuments; Sculptors.

Refer from Archaeology; Arts, fine; Basrelief; Carving (wood, etc.); Decoration and ornament; Monuments; Statues; Stone-cutting.

Sea. See Ocean.

Sea bathing. See Baths and bathing.

Sea mosses. See Algæ.

Sea power. See Naval art and science; Naval history.

Seal (animal).

Refer from Fisheries; Mammals; Marine zoology; Zoology.

Seals (numismatics).

Refer from Archaeology; Signets.

Seamanship. See Navigation.

Seamen. See Sailors.

Seashore. See also Algæ; Baths and bathing; Beaches; Marine zoology; Ocean.

Refer from Beaches; Marine zoology; Ocean; Physical geography; Shore.

Seasickness.

Refer from Medicine, practice of; Naval hygiene; Ocean.

Seasons. See also Autumn; Spring; Summer; Winter.

Refer from Astronomy; Meteorology; Months; Year.

Seaweeds. See Algæ.

Secession. See also Confederate states; State rights; U. S., History, Civil war. Refer from Federal government; Political science; State rights.

Second advent. See also Jesus Christ; Judgment, day of; Millennium; Prophecies: Second adventists.

Refer from Advent; Jesus Christ; Millennium; Prophecies; Theology.

Second adventists.

Refer from Millerites; Second advent; Sects.

Second sight. See also Clairvoyance.

Refer from Animal magnetism; Divination; Occult sciences; Superstition.

Secondary batteries. See Storage batteries. Secondary schools. See High schools

Secret societies. See also Fenians; Freemasonry; Malta, knights of; Nihilism; Odd-fellows; Rosicrucians; Templars.

Refer from Societies.

Secret writing. See Cipher.

Sects. See also Baptists; Brownists; Catholic church; Christian union; Church of England; Congregationalism; Dissenters; Friends, society of; Huguenots; Hussites; Methodist episcopal church; Moravians; Mormonism; Nestorians; New Jerusalem; Presbyterianism; Protestant episcopal church; Second adventists; Shakers; Unitarianism; Universalism; Waldenses.

Refer from Belief; Christianity; Church history; Denominations; Faith; Protestantism; Religion; Religions; Theology. Securities. See Bonds; Investments; Mort-

gages; Stocks.

Seedlings

Refer from Botany.

Seeds

Refer from Botany.

Seismology. See Earthquakes; Volcanoes. Self-culture. See also Conduct of life; Conversation; Education; Etiquette.

Refer from Conduct of life; Culture; Education; Ethics; Self-education; Young men; Young women.

Self-education. See Self-culture.

Senate. See names of countries and states, as U.S.; France; Rome; Massachusetts.

Sensation. See Senses.

Senses. See also Blind; Color-sense; Deaf and dumb; Deafness; Ear; Eye; Hear-

ing; Light; Sight; Smell; Sound; Taste;
Touch.

Refer from Intellect; Philosophy; Physiology; Psychology; Sensations.

Sepoy war. See India, History.

Sepulchres. See Tombs.

Sepulture. See Burial.

Serfdom. See also Russia; Slavery.

Refer from Political science; Slavery.

Sermon on the Mount. See also Beatitudes.

Refer from Beatitudes; Bible.

Sermons. See also Preaching.

Refer from Homiletics; Literature; Preaching; Religion; Theology.

Serpent-worship.

Refer from Animals, worship of; Religion; Religions; Serpents; Worship.

Serpents. See also Reptiles; Serpent-worship.

Refer from Reptiles; Snakes.

Servants. See also Master and servant.

Refer from Domestic economy; Domestics; Labor; Master and servant.

Service-books. See Liturgies.

Settlements. See Social settlements.

Sewage.

Refer from Sewerage.

Sewerage. See also Drainage; Sanitary engineering; Sewage.

Refer from Drainage; House drainage; Sanitary engineering.

Sewing. See Needlework.

Sewing schools.

Refer from Needlework; Schools.

Sex.

Refer from Biology; Man; Physiology; Woman.

Shadow pantomimes.

Refer from Amateur theatricals; Panto-mime.

Shadows.

Refer from Drawing; Perspective.

Shakers.

Refer from Sects; Socialism.

Sheep. See also Wool.

Refer from Agriculture; Domestic animals; Live stock; Wool; Worsted.

Shell-mounds.

Refer from Archaeology; Mounds.

Shells. See Mollusks; Projectiles.

Sheriffs.

Refer from County officers; Law.

Ship-building. See also Armored vessels; Boating; Ships; Yachting.

Refer from Architecture, naval; Arts, useful; Marine architecture; Naval architecture; Naval art and science; Navigation; Ships; Steam navigation; Vessels.

Ship-fever. See Typhus fever.

Ships. See also Anchors; Armored vessels; Boating; Commerce; Galleys; Naval art and science; Navigation; Sailing; Sailors; Sails; Ship-building; Shipwrecks; Steam navigation: Yachting.

Refer from Navigation; Ocean; Ship-building; Vessels.

Shipwrecks. See also Collisions; Life-boats; Life-saving.

Refer from Accidents; Adventure; Collisions; Disasters; Life-saving; Navigation; Ocean; Ships; Wrecks.

Shoemakers.

Refer from Biography.

Shoes.

Refer from Boots; Costume; Foot; Leather; Manufactures.

Shooting. See also Archery; Game; Gun; Gunnery; Hunting: Rifle; Sports. Refer from Firearms; Gunnery; Hunting;

Rifle; Sports.

Shooting-stars. See Meteors.

Shore. See Seashore.

Shorthand. See also Abbreviations; Writing.

Refer from Abbreviations; Phonography;

Reporting; Signs; Stenography; Tachygraphy; Writing.

Shrines. See also Relics.

Refer from Church antiquities; Church furniture; Relics.

Shrubs. See also Botany: Gardening; Landscape gardening; Trees.

Refer from Botany; Gardening; Land-scape gardening.

Sick, the. See Invalids.

Sieges. See also Battles; Fortifications; Military art and science.

Refer from Battles; History; Military art and science; Military history.

Sight. See also Blind; Color-blindness; Eye; Spectacles.

Refer from Eye; Light; Senses; Vision.

Sign language. See also Cipher; Deaf and dumb; Pantomime.

Refer from Deaf and Dumb; Gesture; Language; Signs.

Sign painting. See also Alphabets; Painting, mechanical.

Refer from Painting, mechanical; Signboards; Signs.

Signals. See also Flags; Telegraph.

Refer from Military art and science; Navigation; Signs.

Signatures. See Autographs.

Signboards. See also Sign painting.

Refer from Advertising; Archaeology; Commerce; Signs.

Signets. See Seals.

Signs. See Omens; Shorthand; Sign language; Sign painting; Signals; Signboards.

Silhouettes.

Refer from Arts, fine.

Silk.

Refer from Fibres; Textile fabrics; Yarn. Silos. See Ensilage.

Silver. See also Bimetallism; Coins and medals; Free coinage; Mines; Money; Plate; Precious metals.

Refer from Bimetallism; Free coinage; Metals; Mines and mining; Money; Precious metals; Specie.

Silverplating. See Electroplating; Plating. Silversmithing. See also Jewelry; Plate. Refer from Arts, fine; Jewelry; Metal-

work; Plate.

iin. See also Absolution; Confession;

Crime; Depravity; Fall of man; Future
punishment; Predestination; Repent-

ance; Salvation; Temptation.

Refer from Depravity; Ethics; Evil; Fall of man; Original sin; Religion; Temptation; Theology; Total depravity.

Singers.

Refer from Biography; Musicians; Singing; Vocalists; Woman.

Singing. See also Chanting; Music; Singers; Songs; Voice.

Refer from Chanting; Music; Voice.

Sisterhoods. See also Convents; Deaconesses; Monasticism; Nunneries; Nuns.

Refer from Catholic church; Charities; Church history; Church of England; Church polity; Monasticism; Protestant episcopal church in the U.S.; Religious orders; Woman.

Skating.

Refer from Ice: Locomotion; Sports.

Skeleton. See Bones.

Skepticism. See also Agnosticism; Athe-

ism; Deism; Free thought; Material-

ism; Pantheism; Rationalism.

Refer from Agnosticism; Atheism; Doubt; Faith; Free thought; Infidelity; Philosophy: Religion; Scepticism;

Theology; Unbelief.

Sketching. See Drawing; Painting.

Skin. See also Chicken-pox; Color of man; Parasites; Smallpox.

Refer from Cutaneous diseases.

Skull. See also Brain; Head.

Refer from Anatomy; Bones; Craniology; Head.

Sky. See Astronomy; Meteorology.

Slander. See Libel and slander.

Slang. See also Americanisms.

Refer from Argot; Dialects; Language.

Slave-trade. See also Africa; Slavery.

Refer from Ethics; Negroes; Slavery.

Slavery. See also Abolitionists; Africa; African colonization; Freedmen; Galleys; Negroes; Serfdom; Slave-trade; South; United States.

Refer from Abolition of slavery; Antislavery; Colored people; Emancipation; Ethics: Freedmen; Freedom; History; Labor; Liberty; Negroes; Political science; Serfdom; Slave-trade; Sociology.

Sleep. See also Animal magnetism; Dreams; Hypnotism; Insomnia; Nightmare; Somnambulism.

Refer from Dreams; Hygiene; Insomnia; Night; Physiology; Psychology: Somnambulism; Subconsciousness.

Sleep-walking. See Somnambulism.

Sleight of hand. See Conjuring.

Sloid. See Slovd.

Sloyd. See also Wood-carving.

Refer from Manual training; Slojd; Wood-carving.

Smallpox. See also Inoculation; Vaccination; Varioloid.

Refer from Contagion; Epidemics; Inoculation; Medicine, practice of; Skin; Vaccination; Variola; Varioloid.

Smell. See also Nose.

Refer from Nose; Odors; Senses.

Smelting. See Metals.

Smoke. See also Fumigation.

Refer from Combustion; Fire.

Smoking. See Tobacco.

Smuggling.

Refer from Commerce; Criminal law; Tariff.

Snakes. See Reptiles; Serpents.

Snow. See also Avalanches; Ice; Water.

Refer from Meteorology; Water.

Soap.

Refer from Cleaning; Manufactures.

Sobriquets. See Nicknames; Pseudonyms.

Social science. See Civilization; Economics; Political science; Sociology.

Social settlements. See also Poor.

Refer from Charities; College settlements; Philanthrophy; Poor; Settlements; Sociology; University settlements.

Socialism. See also Communism; Cooperation; Economics; Individualism; Shakers.

Refer from Collectivism; Communism; Cooperation; Economics; Individualism; Nationalism; Political science; Property; Sociology; Utopia.

Societies: See also Agricultural societies; Bible societies; Clubs; Corporations; Friendly societies; Geographical societies; Gilds; Historical societies; Scientific societies; Secret societies; Tract societies; Trade-unions.

Refer from Academies; Associations; Clubs; Sociology.

Society. See Etiquette; Sociology; Solitude. Society of Jesus. See Jesuits.

Socinianism. See also Arianism; Trinity;

Unitarianism.

Refer from Arianism; Jesus Christ; Theology; Trinity; Unitarianism.

Sociology. See also Caste; Charities; Children; Christianity; Cities; Civilization; Clubs; Colonies; Communism; Cooperation; Corporations; Crime; Divorce; Economics; Education; Ethics; Etiquette; Family; Feudalism; Friendly societies; Gilds; Immigration; Insurance; Labor; Law; Man; Manners and customs; Marriage; Peace; People; Political science; Poor; Population; Prisons; Progress; Property; Punishment; Religion; Slavery; Social settlements; Socialism; Societies; Statistics; Temperance; Theology; Utopia; Woman

Refer from Civilization; Ethics; History; Labor; Man; People; Political science; Science; Social science; Society.

Soils. See also Agricultural chemistry.

Refer from Agricultural chemistry; Agriculture; Geology.

Solar system. See also Asteroids; Astronomy; Planets [and their names]; Sun.

Refer from Astronomy; Planets; Sun.

Soldering.

Refer from Metal-work; Plumbing.

Soldiers. *See also* Military art and science; Military biography; Pensions.

Refer from Biography; Military art and science; Military biography.

Solids.

Refer from Physics.

Solitaire. See also Patience (game). Refer from Games.

Solitude. See also Hermits.

Refer from Ethics; Society.

Somnambulism. See also Dreams; Sleep.

Refer from Medicine, practice of: Night;
Psychology; Sleep; Sleep-walking.

Songs. See also Anthems; Ballads; Carols; Church music; Folk-songs; Glees; Hymns; Lyric poetry; National songs; School music: Voice. [Songs without music go with Ballads.]

Refer from Ballads; Carols; Folk-songs; Glees; Music; Poetry; Singing; Vocal

Sonnets.

Refer from Poetry.

Sorcery. See Witchcraft.

Sore throat.

Refer from Medicine, practice of; Throat. Soubriquets. See Nicknames; Pseudonyms.

Soul. See also Animal psychology; Future life; Preëxistence; Psychology; Transmigration.

Refer from Ethics; Future life; Man; Materialism; Philosophy; Preëxistence; Psychology; Salvation; Spirit; Theology; Transmigration.

Sound. See also Ear; Music; Noise; Phonetics; Phonograph; Radiation; Telephone; Voice.

Refer from Acoustics; Architecture; Ear; Music; Noise; Physics; Radiation; Senses; Voice.

Sovereigns. See Emperors; Kings; Monarchy; Queens.

Space.

Refer from Astronomy; Philosophy.

Sparring. See Boxing.

Speakers. See Orators; Readers and speakers.

Speaking. See Elocution; Oratory; Preaching; Rhetoric; Voice.

Specie. See Gold; Money; Silver.

Species. See also Evolution.

Refer from Biology; Evolution; Origin of species; Variation of species; Zoology.

Specific gravity. See also Gravitation; Weights and measures.

Refer from Gravitation; Weights and measures.

Spectacles.

Refer from Eye; Light; Optical instruments; Sight.

Spectres. See Apparitions; Ghosts.

Spectroscope. See Spectrum.

Spectrum.

Refer from Analysis; Astronomy; Chemistry; Light; Optical instruments; Spectroscope; Sun.

Speculation. *See also* Credit; Investments; Panic; Stocks.

Refer from Commerce; Economics; Investments; Panics.

Speech. See also Conversation; Deaf and dumb; Elocution; Language; Liberty of speech; Stammering; Voice.

Refer from Language; Voice.

Speeches. See Orations; Oratory.

Spellers. See also Primers...

Refer from Text-books.

Spelling.

Refer from Language; Orthography; Phonetics; Words.

Spine. See also Nervous system.

Refer from Anatomy; Nervous system.

Spinning. See also Yarn.

Refer from Textile fabrics; Yarn.

Spires. See also Towers.

Refer from Architecture; Church architecture; Steeples; Towers.

Spirit. See Holy spirit; Soul.

Spiritism. See Spiritualism.

Spirits. See Apparitions; Demonology; Ghosts; Spiritualism; Witchcraft.

Spiritualism. See also Animal magnetism; Apparitions; Clairvoyance; Mind-reading.

Refer from Apparitions; Future life; Miracles; Occult sciences; Philosophy; Religions; Spiritism; Spirits; Supernatural; Superstition; Table-moving; Theology.

Spirituous liquors. See Liquors; Temperance.

Spoils system. See Civil service.

Sports. See also Acrobats; Amusements; Archery; Baseball; Baths and bathing; Betting; Boating; Bowling; Bowling; Boxing; Bull fights; Camping; Canoeing; Cricket; Curling; Cycling; Driving; Falconry; Fencing; Fishing; Football; Gambling; Games; Golf; Gymnastics; Horse-racing; Horsemanship; Hunting; Mountaineering; Physical education; Poaching; Rowing; Running; Sailing; Shooting; Skating; Swimming; Tournaments; Training; Trapping; Walking; Yachting.

Refer from Amusements; Athletics; Country life; Field-sports; Game; Games; Gymnastics; Hunting; Manly exercise; Outdoor life; Physical education; Plays; Recreation; Shooting.

Spring.

Refer from Seasons.

Springs. See also Geysers.

Refer from Fountains; Geysers; Physical geography; Water.

Stables. See also Barns; Horse.

Refer from Agriculture; Architecture; Barns; Domestic animals; Horse.

Stage. See Acting; Drama; Theatre.

Stage-coaches. See Carriages; Coaching.

Stained glass. See Glass-painting.

Stair-building. See also Carpentry; Handrailing.

Refer from Architecture; Carpentry.

Stammering.

Refer from Speech; Stuttering; Voice.

Stamps. See Postage-stamps.

Standards. See Flags; Units; Weights and

Stars. See also Asteroids; Astrology; Asstronomy; Meteors; Planets; Zodiac.

Refer from Astronomy; Constellations.

Starvation. See also Famines.

Refer from Abstinence; Diet; Famines; Fasting.

State, the. See Political science.

State church. See Church and state; Disestablishment.

State rights. See also Nullification; Secession.

Refer from Nullification; Political science; Secession.

Statesmanship. See Diplomacy; Political science.

Statesmen.

Refer from Biography; Political science.

Statics. See also Mechanics.

Refer from Dynamics; Engineering; Equlibrium; Mechanics; Physics.

Stationery. See also Ink; Paper.

Refer from Commerce; Manufactures.

Statistics. See also Almanacs; Census; Population; Vital statistics; Year-books. For statistics of a special subject, country, or place, see its name.

Refer from Census; Commerce; Economics; History; Political science; Population; Sociology.

Statues. See Sculpture.

Statutes. For the statutes of any country or state *see* its name.

Steam. See also Boilers; Steam-engine; Steam heating; Steam navigation.

Refer from Boilers; Heat; Physics; Steam-engine; Vapor; Water.

Steam-boilers. See Boilers; Steam-engine.

Steam-engine. See also Boilers; Fireengine; Heat; Locomotives; Machinery; Railroads; Steam; Steam navigation.

Refer from Boilers; Engineering; Engines; Locomotives; Machinery; Mechanics; Motors; Railroads; Steam; Steam-boilers; Steam navigation.

Steam heating. See also Heating. Refer from Heating; Steam.

Steam navigation. See also Navigation; Ship-building; Steam-engine.

Refer from Commerce; Inland navigation; Navigation; Ships; Steam; Steamengine; Steamboats; Steamships; Transportation.

Steamboats. See Steam navigation.

Steamships. See Steam navigation.

Steel. See also Casting; Iron. Refer from Iron; Metals.

Steeples. See Spires.

Stenography. See Shorthand.

Stereography. See Geometry.

Stereopticon. See Magic lantern.

Stereoscope.

Refer from Light; Optical instruments.

Stereotomy. See Stone-cutting.

Stereotyping. See also Printing.

Refer from Printing.

Stimulants and narcotics. See also Alcohol;

Beverages; Coffee; Liquors; Morphia; Opium; Tea; Temperance; Tobacco.

Refer from Beverages; Diet; Food; Hygiene; Medicine; Narcotics; Temperance; Therapeutics.

Stock breeding. See Cattle; Domestic animals.

Stock companies. See Corporations.

Stock exchange. See also Banks and banking; Money; Panics; Stocks.

Refer from Banks and banking; Brokers; Business; Economics; Money; Stocks.

Stockings. See Hosiery.

Stocks. See also Bonds; Corporations; Investments; Stock exchange.

Refer from Banks; Bonds; Commerce; Corporations; Economics; Exchange; Finance; Investments; Negotiable instruments; Securities; Speculation; Stock exchange.

Stoics.

Refer from Ethics; Philosophy.

Stomach. See also Digestion.

Refer from Abdomen; Anatomy; Digestion.

Stone. See also Blasting; Masonry; Precious stones; Quarrying; Rocks; Stonecutting.

Refer from Building materials; Geology; Masonry; Mineralogy; Rocks.

Stone age.

Refer from Archaeology.

Stone-cutting. See also Sculpture.
Refer from Stereotomy; Stone.

Storage batteries.

Refer from Accumulators; Batteries; Electric batteries; Electric railroads; Secondary batteries.

Stories. See Children's literature; Fairy tales; Fiction; Legends; Romances.

Storms. See also Thunder-storms; Winds. Refer from Cyclones; Hurricanes; Meteorology; Thunder-storms; Tornadoes; Weather; Whirlwinds; Winds.

Stoves. See also Heating.

Refer from Heating.

Strains. See Strength of materials.

Strategy. See Military art and science; Naval art and science.

Street cleaning.

Refer from Cleaning; Roads; Sanitary engineering; Sweeping.

Street-railroads. See also Electric railroads; Horse-railroads.

Refer from Railroads; Roads; Tramways.

Streets. See Roads.

Strength of materials. See also Architecture; Bridges; Building materials; Elasticity; Girders; Masonry; Roofs; Trusses.

Refer from Architecture; Bridges; Building materials; Elasticity; Engineering; Masonry; Materials, strength of; Mechanics; Strains; Testing; Timber; Trusses.

Strikes and lockouts. See also Arbitration, industrial; Labor; Trade-unions.

Refer from Capital; Economics; Labor; Lockouts; Trade-unions.

Students. See also Colleges; Education.

Refer from Colleges and universities; Education; Literary men.

Stuttering. See Stammering.

Style. See Costume; Fashion; Rhetoric.

Subconsciousness. See also Faith-cure; Hypnotism.

Refer from Consciousness; Faith-cure; Hypnotism; Mind and body; Psychology; Sleep.

Submarine warfare. See also Torpedoes. Refer from Naval art and science.

Subways. See also Tunnels.

Refer from Engineering; Railroads; Tunnels.

Success. See also Business; Conduct of life.

Refer from Business; Conduct of life; Ethics; Wealth; Young men.

Suffering. See also Affliction; Consolation; Pain.

Refer from Pain.

Suffrage. See also Ballot; Citizenship; Election; Naturalization; Representation; Woman suffrage.

Refer from Ballot; Democracy; Election (in politics); Political science; Representation; Voting.

Sugar.

Refer from Agriculture; Food.

Suggestion, mental. See Animal magnetism; Hypnotism.

Suicide.

Refer from Criminal law; Death; Ethics; Medical jurisprudence; Murder.

Suits at law. See Actions at law.

Summer.

Refer from Seasons.

Sun. See also Eclipses; Solar system; Spectrum.

Refer from Astronomy; Eclipses; Heat; Light; Solar system.

Sun-dials.

Refer from Archaeology; Dialing; Time-keepers.

Sunday.

Refer from Ethics; Fasts and feasts; Religion; Sabbath; Theology.

Sunday schools. See also Bible classes; Religious education.

Refer from Bible classes; Children; Education; Religious education; Schools.

Sunstroke. See Heatstroke.

Supernatural. See also Apparitions; Miracles; Religion; Spiritualism; Superstition; Theology.

Refer from Philosophy; Religion; Superstition.

Superstition. See also Alchemy; Amulets; Apparitions; Astrology; Charms; Delusions; Demonology; Devil; Divination; Dreams; Fairies; Fetishism; Folk-lore; Fortune-telling; Ghosts; Legends; Mythology; Occult sciences; Omens; Oracles; Palmistry; Relics; Religions; Second sight; Spiritualism; Supernatural; Theosophy; Totems; Werwolves; Witchcraft.

Refer from Delusions; Folk-lore; Mythology; Religion; Supernatural; Witchcraft.

Supply and demand. See Demand and supply.

Suppuration. See also Abscess; Ulcers.

Refer from Abscess; Pus; Ulcers.

Sureties. See Guaranties and sureties.

Surgeons.

Refer from Biography; Physicians; Surgery.

Surgery. See also Accidents; Amputation; Anatomy; Anesthetics; Antiseptics; Autopsy; Bloodletting; Bones; Deformities; Diagnosis; Dislocations; Fractures; Medicine; Military surgery; Naval surgery; Surgeons; Surgical instruments; Wounds.

Refer from Accidents; Anatomy; Medicine; Medicine, practice of; Pathology; Wounds.

Surgical instruments.

Refer from Instruments; Surgery.

Surnames. See Names.

Surrogate law. See Wills.

Surveying. See also Barometer; Engineering; Geodesy; Nautical surveying; Railroads; Topographical drawing; Trigonometry.

Refer from Arts, useful; Civil engineering; Engineering; Geodesy; Geography; Land; Leveling; Mathematics; Mensuration; Nautical surveying; Railroads; Topography; Trigonometry.

Swearing. See also Oaths.

Refer from Ethics; Oaths; Profanity.

Swedenborgianism. See New Jerusalem, church of the.

Sweeping. See also Chimney sweeping; Domestic economy; Street cleaning. Refer from Carpets; Cleaning; Domestic economy; Floors.

Swimming. See also Baths and bathing; Diving.

Refer from Baths and bathing; Diving; Sports; Water.

Swine. See Hog.

Sword. See also Fencing.

Refer from Arms and armor; Fencing; Military art and science; Weapons.

Symbolics. See Creeds.

Symbolism. See also Christian art and symbolism; Emblems.

Refer from Arts, fine; Emblems; Religion.

Symbolism (in theology). See Creeds.

Symphonies.

Refer from Music.

Symptoms. See Diagnosis.

Synods. See Councils; also names of places at which synods were held.

Synonyms.

Refer from Language; Words.

Table, the. See Carving; Cookery; Dining; Eating; Food.

Table-moving. See Spiritualism.

Table-talk. See also Anecdotes.

Refer from Anecdotes; Aphorisms; Apothegms; Biography; Conversation; Epigrams; Sayings; Talking; Wit and humor.

Tableaux. See also Amateur theatricals.

Refer from Amateur theatricals; Amusements; Drama.

Tables. See Interest: Logarithms, etc.

Tachygraphy. See Shorthand.

Tactics. See also Artillery; Cavalry; Infantry; Military art and science; Naval tactics.

Refer from Drill; Military art and science.

Talismans. See Amulets; Charms.

Talking. See Conversation; Table-talk.

Talmud.

Refer from Bible; Jews.

Tanning. See also Leather.

Refer from Arts, useful; Leather.

Taouism.

Refer from Religions.

Tapestry.

Refer from Arts, fine; Arts, useful; Decoration and ornament; Needlework; Textile fabrics; Wall decoration

Tariff. See also Corn laws; Economics; England, Finance; Exportation; Reciprocity; Smuggling; Taxation; U. S., Finance.

Refer from Commerce; Customs; Duties; Economics; Exportation; Finance; Free trade; Imports; Protection; Revenue; Taxation; Trade.

Taste. See Esthetics.

Taste, sense of.

Refer from Senses.

Tattooing.

Refer from Manners and customs.

Taverns. See Hotels; Inns.

Taxation. See also Economics; Finance; Income tax; Tariff.

Refer from Assessment; Economics; Finance; Income tax; Internal revenue; Land; Personal property; Political science; Property; Real property; Revenue; Tariff.

Taxidermy.

Refer from Birds; Natural history; Zoology.

Tea.

Refer from Beverages; Stimulants and narcotics.

Teachers. See also Education; Normal schools.

Refer from Biography; Education; Schoolmasters; Teaching.

Teaching. See also Child study; Corporal punishment; Education; Examinations;

Kindergarten; Memory; Nature study; Object-teaching; Teachers.

Refer from Education; Pedagogics; Training.

Technical education. See also Manual training.

Refer from Arts, useful; Education; Industrial education; Machinery; Manual training; Polytechnic schools.

Technology. See Arts, useful; Manufactures. Teeth.

Refer from Anatomy; Dentistry; Medicine, practice of; Mouth; Odontology.

Telegraph. See also Electric wires.

Refer from Arts, useful; Cables; Electric engineering; Electric telegraph; Electricity; Signals.

Telepathy. See Mind-reading.

Telephone.

Refer from Electricity; Sound.

Telescope.

Refer from Astronomical instruments; Astronomy; Light; Optical instruments.

Temperament. See also Nervous system. Refer from Character; Nervous system.

Temperance. See also Alcohol; Beer; Beverages; Distillation; Drinking customs; Liquors; Opium; Stimulants and narcotics; Tobacco; Wine.

Refer from Abstinence; Alcohol; Beverages; Drinking customs; Drunkenness; Ethics; Food; Hygiene; Inebriates; Intemperance; Intoxication; License system; Liquors; Prohibition; Sociology; Spirituous liquors; Stimulants and narcotics; Total abstinence; Wine.

Temperature. See also Animal heat; Climate; Cold; Heat.

Refer from Climate; Heat; Meteorology. Templars. See also Chivalry; Freemasonry. Refer from Chivalry; Knights templars; Secret societies.

Temples.

Refer from Archaeology; Architecture; Church architecture; Religious art.

Temporal power. See Popes.

Temptation. See also Evil; Fall of man; Jesus Christ; Sin.

Refer from Ethics; Evil; Sin; Theology.

Ten commandments. See Commandments, ten.

Ten tribes of Israel. See Jews.

Tenant. See Landlord and tenant.

Tenement-houses. See also Architecture, domestic; Poor.

Refer from Architecture, domestic; Poor.

Tennis.

Refer from Games; Lawn-tennis.

Tents. See also Camping.

Refer from Camping; Military art and science.

Tenure of land. See Land.

Terra-cotta. See also Pottery.

Refer from Building materials; Decoration and ornament; Potterv.

Testimony. See Evidence.

Testing. See Strength of materials; also object tested, such as Electric testing,

Tetanus. See Lockjaw.

Text-books. *See also* Primers: Readers and speakers; Spellers.

Refer from Books and reading; Education; School-books.

Textile fabrics. See also Bleaching; Calicoprinting; Carpets; Clothing; Cotton; Dry goods; Dyeing; Embroidery; Fibres; Flax; Hosiery; Linen; Silk; Spinning; Tapestry; Weaving; Wool; Worsted; Yarn.

Refer from Arts, useful; Cloth; Clothing; Cotton; Dry goods; Fibres; Linen; Manufactures; Weaving; Wool; Worsted; Yarn.

Thanksgiving day.

Refer from Fasts and feasts; Holidays.

Theatre. See also Acting; Actors; Actresses; Amateur theatricals; Ballet; Drama; Masks; Miracle-plays; Opera; Pantomime.

Refer from Acting; Actors; Actresses; Amusements; Architecture; Drama; Ethics; Histrionics; Stage.

Theism. See also Atheism; Christianity; Deism; God; Theology.

Refer from Atheism; Deism; God; Philosophy; Religion; Theology.

Theodicy. See God.

Theological education. See also Religious education; Theological schools.

Refer from Education; Religious education; Theology.

Theological schools.

Refer from Divinity schools; Theological education.

Theology. [Including the Christian doc-

trines. For comparative theology and history of religion see Religion. For Christian evidences see Christianity.] See also Agnosticism; Angels; Annihilation; Antichrist; Antinomianism; Apostles; Apostolic constitutions; Apostolic succession; Arminianism; Asceticism: Atheism: Atonement; Baptism; Belief; Bible; Calvinism; Catechisms; Celibacy: Certainty: Christian: Christian union; Christianity; Church; Church history; Church polity; Clergy; Confession; Confirmation; Conscience; Conversion: Creation: Creeds: Cross; Death; Deism; Depravity; Devil; Ethics; Evil; Faith; Fall of man; Fanaticism; Fasting; Fathers of the church; Free religion; Future life; Future punishment; God; Heaven; Hell; Heresy; Holy spirit; Infallibility; Jesus Christ; Judgment, day of; Justification; Liberty of conscience; Liberty of the will; Lord's prayer; Lord's supper; Love; Mass; Materialism; Millennium; Miracles; Missions; Monotheism; Mysticism; Natural religion; Orthodoxy; Pantheism; Penance; Philosophy; Plurality of worlds; Prayer; Predestination; Private judgment; Prophecies; Protestantism; Purgatory; Rationalism; Regeneration; Religion; Religion and science; Repentance; Resurrection; Revelation; Revivals; Sacraments; Sacrifice; Salvation; Second advent; Sects; Sermons; Sin; Skepticism; Socinianism; Soul; Spiritualism; Sunday; Temptation; Theism; Theological education; Transcendentalism; Transubstantiation; Trinity; Worship.

Refer from Bible; Christian doctrine; Christianity; Church history; Divinity; Doctrines; Dogmatic theology; Faith; God; Natural religion; Philosophy; Revelation; Science; Sociology; Supernatural; Theism.

Theosophy.

Refer from Buddhism, esoteric; Esoteric Buddhism; Occult sciences; Religion; Religions; Superstition.

Therapeutics. See also Anesthetics; Animal magnetism; Antiseptics; Baths and bathing; Bloodletting; Christian science; Cupping; Diet; Drugs; Exercise;

Faith-cure; Hydropathy; Inoculation; Massage; Materia medica; Medical electricity; Medicine; Nurses and nursing; Pathology; Pharmacy; Poisons; Purgatives; Rest; Stimulants and narcotics.

Refer from Hygiene; Materia medica; Medicine; Medicine, practice of; Remedies (in medicine).

Thermodynamics. See Heat.

Thermometer.

Refer from Heat; Meteorology; Physics.

Thieves. See Robbers.

Thinking. See Logic; Philosophy; Psychology.

Thirty-nine articles. See Church of England. Thirty years' war, 1618-48. See also Germany, History.

Refer from Germany, History; Reformation.

Thorough-bass. See Harmony.

Thought. See Logic; Philosophy; Psychology.

Thought-transference. See Mind-reading.

Throat. See also Breathing; Bronchitis; Sore throat; Voice.

Refer from Anatomy; Breathing; Bronchitis; Voice.

Thunder-storms. See also Lightning; Storms.

Refer from Lightning; Meteorology;
Storms.

Tides. See also Ocean.

Refer from Astronomy; Moon; Ocean; Physical geography.

Tiles. See also Bricks; Pottery.

Refer from Bricks; Pottery.

Timber. See also Forestry; Lumbering; Strength of materials; Trees; Wood.

Refer from Building materials; Forestry; Lumbering; Trees; Wood.

Time. See also Almanacs; Astronomy; Calendar; Chronology; Days; Eternity; Timekeepers.

Refer from Astronomy; Chronology; Philosophy.

Timekeepers. See also Clocks and watches; Pendulums; Sun-dials.

Refer from Arts, useful; Clocks and watches; Horology; Machinery; Manufactures; Time.

Tissues. See Histology.

Tithes. See also Church rates.

Refer from Church law; Church of England; Church polity; Church rates.

Titles. See also Conveyancing; Real property; Sale.

Refer from Land; Law; Property; Real property; Sale.

Toadstools. See Mushrooms.

Toasts.

Refer from Dining; Drinking customs; Epigrams; Manners and customs.

Tobacco.

Refer from Agriculture; Smoking; Stimulants and narcotics; Temperance.

Toilet. See also Baths and bathing; Cosmetics; Costume; Perfumery.

Refer from Cosmetics; Costume.

Toleration. See Liberty of conscience; Religious liberty.

Tombs. See also Brasses; Burial; Catacombs; Cemeteries; Crypts; Epitaphs; Mounds; Tombstones.

Refer from Archaeology; Architecture; Burial; Cemeteries; Crypts; Monuments; Sepulchres; Vaults.

Tombstones. See also Epitaphs. Refer from Monuments; Tombs.

Tools. See also Agricultural tools; Carpentry; Machinery.

Refer from Arts, useful; Carpentry; Instruments; Machinery.

Topographical drawing. See also Map draw-

Refer from Drawing; Map drawing; Surveying; Topography.

Topography. See Geography; Surveying; Topographical drawing.

Tories, American. See American loyalists.

Tories, English. See also England, History; England, Politics.

Refer from Parties, political.

Tornadoes. See Storms.

Torpedoes.

Refer from Explosives; Military art and science; Naval art and science; Submarine warfare.

Torts.

Refer from Law; Wrongs.

Torture. See also Inquisition; Punishment. Refer from Punishment.

Total abstinence. See Temperance.

Total depravity. See Depravity; Sin.

Refer from Indians of N. A.; Mythology; Religion; Superstition; Worship.

Touch.

Refer from Feeling; Senses.

Tournaments. See also Chivalry.

Refer from Chivalry; Fighting; Sports.

Towers. See also Spires.

Refer from Architecture; Church architecture; Spires.

Town-meeting. See also Local government; Towns.

Refer from Democracy; Political science; Towns.

Town officers. See also Police.

Refer from Political science; Towns. ·

Towns. See also Boroughs; Cities; Local government; Municipal government; Town-meeting; Town officers; Villages.

Refer from Boroughs; Cities; Local government; Municipal corporations; Political science; Town-meeting; Villages.

Toxicology. See Poisons.

Toys. See also Dolls.

Refer from Amusements; Games.

Tract societies. See also Tracts.

Refer from Missions; Societies; Tracts.

Tractarianism. See Oxford movement.

Tracts. See also Tract societies.

· Refer from Literature; Tract societies.

Trade. See Business; Commerce; Tariff.

Trade-marks. See also Patents.

Refer from Commerce; Law; Manufactures; Patents.

Trade-unions. *See also* Cooperation; Gilds; Labor; Strikes and lockouts.

Refer from Associations; Commerce; Cooperation; Economics; Gilds; Labor; Societies; Strikes and lockouts; Wages.

Traditions. See Folk-lore; Legends.

Tragedy. See Drama.

Training. See also Animals, training of; Education; Gymnastics; Physical education; Teaching.

Refer from Exercise; Hygiene; Physical education; Sports.

Tramps.

Refer from Crime; Poor; Vagabonds; Vagrancy.

Tramways. See Street-railroads.

Transcendentalism.

Refer from Philosophy; Rationalism; Theology.

Transformers. See Electric transformers.

Transit. See Transportation.

Transits. See also name of planet. Refer from Astronomy; Planets.

Translation.

Refer from Language; Rhetoric.

Transmigration. See also Preëxistence; Soul.

Refer from Future life; Metempsychosis; Preëxistence; Reincarnation; Soul.

Transmutation of metals. See Alchemy.

Transportation. See also Canals; Carriages; Commerce; Ferries; Inland navigation; Railroads; Roads; Steam navigation; Vehicles.

Refer from Commerce; Locomotion; Transit; Vehicles.

Transportation (of criminals).

Refer from Exportation; Punishment.

Transubstantiation. See also Lord's supper; Mass.

Refer from Catholic church; Jesus Christ;
Lord's supper; Mass; Real presence;
Theology.

Trapping. See also Hunting.

Refer from Hunting; Sports.

Travel. [Put here books on the art of travel.] See also Pilgrimage; Voyages and travels.

Refer from Locomotion; Voyages and travels.

Travelers. See also Commercial travelers; Explorers; Voyages and travels.

Refer from Biography; Explorers.

Travels. See Voyages and travels.

Treason.

Refer from Criminal law; Law; Murder.

Treaties. See also Diplomacy; International law; also names of countries, places at which treaties were made, etc.

Refer from Diplomacy; History; International law; Ministers (of state); Political science.

Tree-worship.

Refer from Trees; Worship.

Trees. See also Arbor-day; Bark; Botany; Evergreens; Forestry; Fruit; Grafting; Landscape gardening; Lumbering; Pruning; Timber; Tree-worship.

Refer from Agriculture; Botany; Evergreens; Forestry; Shrubs; Timber; Wood.

Trespass.

Refer from Law; Property.

Trial by combat. See Wager of battle.

Trial by jury. See Jury.

Trials. [See the Boston Athenæum catalogue for a subdivision of Trials by subject.] See also Actions at law; Evidence; Jury; Pleading; Witnesses.

Refer from Actions at law; Crime; Criminal law; Jury; Law; Murder; Pleading.

Tricycling. See Cycling.

Trigonometry. See also Geodesy; Geometry; Logarithms; Mathematics; Mensuration; Navigation; Surveying.

Refer from Geometry; Logarithms; Mathematics; Surveying.

Trinity. See also Arianism; Athanasian creed; God; Holy spirit; Jesus Christ; Socinianism; Unitarianism.

Refer from Arianism; God: Holy spirit; Jesus Christ; Philosophy; Socinianism; Theology; Unitarianism.

Triumphal arches. See Arches of triumph. Tropics.

Refer from Earth; Geography; Physical geography.

Trotting. See Horse; Horse-racing.

Troubadours. See also Provençal literature.

Refer from Bards; Minstrels; Poetry;

Trouvères.

Refer from Bards; Minstrels; Poetry; Poets.

Trusses. See also Bridges; Girders; Roofs; Strength of materials.

Refer from Architecture; Bridges; Girders; Roofs; Strength of materials.

Trustees.

Refer from Law.

Trusts. See also Capital; Monopolies.

Refer from Capital; Commerce; Commercial law; Corporations; Economics; Monopolies.

Truth. See also Axioms; Belief; Certainty; Lying.

Refer from Belief; Certainty; Ethics; Faith; Lying; Philosophy.

Tuberculosis. See Consumption.

Tumors. See also Cancer.

Refer from Medicine, practice of.

Tumuli. See Mounds.

Tuning.

Refer from Musical instruments.

Tunnels. See also Blasting; Subways.

Refer from Engineering; Mines and mining; Railroads; Subways.

Turbines. See also Water-wheels.

Refer from Hydraulic engineering; Water-wheels; Wheels.

Turning. See also Woodwork.

Refer from Arts, useful; Cabinet work;
Carpentry; Carving (wood, etc.); Lathe;
Machinery; Woodwork.

Twins.

Refer from Children.

Type. See Printing.

Typewriting.

Refer from Writing.

Typhoid fever. See also Typhus fever.

Refer from Contagion; Enteric fever;

Fever; Typhus fever.

Typhus fever. See also Typhoid fever.

Refer from Fever; Ship-fever; Typhoid fever.

Typography. See Printing.

Tyranny. See also Despotism.

Refer from Despotism; Monarchy; Political science.

Ulcers. See also Suppuration.

Refer from Suppuration.

Ultramontanism. See also Catholic church;
Popes; Vatican council.

Refer from Catholic church.

Umbrella.

Refer from Costume.

Unbelief. See Skepticism.

Understanding. See Intellect; Psychology.

Unitarianism. See also Arianism; Free religion; Jesus Christ; Socinianism; Trinity.

Refer from Arianism; Congregationalism; Jesus Christ; Sects; Socinianism; Trinity.

United brethren. See Moravians.

Units. See also Electric measurement; Weights and measures.

Refer from Physics; Standards; Weights and measures.

Universalism. See also Future life; Future punishment.

Refer from Congregationalism; Future punishment; Salvation; Sects.

Universe. See also Astronomy; Creation; Earth; Plurality of worlds.

Refer from Astronomy; Cosmogony; Cosmography; Cosmology; Creation; Philosophy; World.

Universities. See Colleges and universities.

University extension.

Refer from Colleges and universities; Education.

University settlements. See Social settlements.

Upholstery. See also Furniture; House decoration.

Refer from Arts, useful; Furniture; House decoration.

Urns. See also Vases.

Refer from Burial; Pottery; Vases.

Usages. See Etiquette; Manners and customs.

Useful arts. See Arts, useful; Manufactures.

Usury. See Interest.

Utilitarianism.

Refer from Ethics; Philosophy.

Utopia.

Refer from Political science; Socialism; Sociology.

Vacations. See also Holidays.

Refer from Holidays; Hygiene.

Vaccination. See also Inoculation; Smallpox; Varioloid.

Refer from Inoculation; Medicine; Small-pox; Varioloid.

Vagabonds. See Robbers; Tramps.

Vagrancy. See Poor; Poor laws; Tramps.

Valdenses. See Waldenses.

Valleys. See also Erosion; Rivers.

Refer from Erosion; Physical geography; Rivers.

Value. See also Cost; Money; Prices.
Refer from Cost; Economics; Prices.

Vapor. See Evaporation; Gases; Steam.

Variation of species. See Evolution; Species.

Variation of the compass. See Compass.

Variola. See Smallpox.

Varioloid. See also Smallpox; Vaccination. Refer from Medicine, practice of; Smallpox; Vaccination.

Varnishing. See also Japanning; Lacquer; Painting, mechanical.

Refer from Japanning; Painting, mechanical.

Vases. See also Pottery; Urns.

Refer from Amphoræ; Decoration and ornament; Pottery; Urns.

Vassals. See Feudalism.

Vatican. See also Catholic church; Popes; Rome.

Vatican council. See also Immaculate conception; Infallibility; Popes.

Refer from Catholic church; Infallibility; Popes; Ultramontanism.

Vaudois. See Waldenses.

Vaulting. See also Arches; Domes.

Refer from Arches; Architecture; Masonry; Roofs.

Vaults. See Tombs.

Vegetables. See also Botany; Cookery; Gardening.

Refer from Agriculture; Botany; Food; Gardening; Market gardening.

Vegetarianism. See also Animal food.

Refer from Animal food; Diet; Food.

Vehicles. *See also* Ambulances; Carriages; Cars; Chariots; Coaching; Transportation; Wagons; Wheels.

Refer from Transportation; Wagons.

Veins. See also Arteries.

Refer from Anatomy; Arteries; Blood.

Velocipedes. See Cycling.

Vendors. See Sale.

Venesection. See Bloodletting.

Ventilation. See also Chimneys; Heating.

Refer from Air; Architecture; Chimneys;

Domestic economy; Heating; Hygiene;

Mines and mining; Sanitary engineering.

Ventriloquism.

Refer from Amusements; Elocution; Voice. Versification. See also Metre; Poetry; Prosody; Rhyme.

Refer from Authorship; Metre; Poetry; Prosody.

Vertebrates. See also Batrachia; Birds; Fish; Mammals; Reptiles; Zoology.

Refer from Mammals; Zoology.

Vessels. See Navigation; Ship-building; Ships.

Vestments. See Church vestments.

Veterinary medicine. See also Cattle; Domestic animals; Horse.

Refer from Cattle; Domestic animals; Horse; Medicine.

Veto.

Refer from Political science; Presidents.

Viaducts. See Bridges.

Vice. See Crime; Ethics.

Vikings. See Northmen.

Village communities. See also Local government.

Refer from Local government; Political science.

Villages. See also Towns.

Refer from Local government; Political science; Towns.

Villas. See Architecture, domestic; Cottages.

Vine. See Grape; Wine.

Vines. See Climbing plants; Gardening; Grape.

Violin.

Refer from Fiddle; Musical instruments.

Virgin Mary. See Mary, virgin.

Virtue. See also Chastity; Ethics.

Refer from Ethics.

Viscera. See also Abdomen; Intestines; Kidneys; Liver.

Refer from Abdomen.

Vision. See Color sense; Eye; Sight.

Visions. See Apparitions; Dreams; Illu-

Vital statistics. See also Census; Mortality; Population.

Refer from Death rate; Longevity; Man; Statistics.

Vivisection.

Refer from Anatomy; Animals, treatment of; Dissection; Ethics; Pain.

Vocal culture. See Voice.

Vocal music. See Church music; Music; Songs; Voice.

Vocal organs. See Voice. Vocalists. See Singers.

Voice. See also Elocution; Music; Oratory; Singing; Sound; Speech; Stammering; Throat; Ventriloquism.

Refer from Breathing; Elocution; Hygiene; Medicine, practice of; Music; Musical education; Oratory; Physiology; Singing; Songs; Sound; Speaking; Speech; Throat; Vocal culture; Vocal music; Vocal organs.

Volcanoes. See also Earthquakes.

Refer from Earth; Earthquakes; Geology; Mountains; Physical geography; Seismology.

Voltaic cell. See Cell, voltaic.

Voltaic electricity. See Electricity.

Voting. See Ballot; Election; Representation; Suffrage.

Voussoir arches. See Arches.

Voyages and travels. See also Antarctic regions; Arctic regions; Discoveries (in geography); Explorers; Geography; Travel; Voyages around the world. Refer from Adventure; Discoveries (in geography); Explorers; Geography; Journeys; Navigation; Ocean; Travel; Travelers; Travels.

Voyages around the world.

Refer from Circumnavigation; Voyages and travels.

Wager of battle.

Refer from Battle, wager of; Combat, trial by; Dueling; Law; Trial by combat.

Wagers. See Betting.

Wages. See also Labor; Profit-sharing; Trade-unions.

Refer from Compensation; Economics; Labor; Prices.

Wagons. See also Carriages; Vehicles. Refer from Vehicles.

Waldenses. See also Albigenses; Huguenots.

Refer from Albigenses; Church history; Huguenots; Reformation; Sects; Valdenses; Vaudois.

Walking. See also Running.

Refer from Animal locomotion; Locomotion; Pedestrianism; Physical education; Running; Sports.

Wall decoration. See also Frescoes; House painting; Mosaics; Paper-hanging; Plastering; Tapestry.

Refer from Decoration and ornament; Frescoes; House decoration; Mural decoration; Painting; Walls.

Walls. See also Foundations; Masonry; Wall decoration.

Refer from Architecture; Engineering; Foundations; Masonry.

War. See Battles; International law; Martial law; Military art and science; Naval art and science; Peace.

War poetry.

Refer from Poetry.

Wards. See Guardians.

Warming. See Heating.

Warnings. See Omens.

Washing. See Laundry.

Watches. See Clocks and watches.

Water. See also Baths and bathing; Dew; Erosion; Fog; Frost; Glaciers; Hail; Heating; Hydraulic engineering; Ice; Lakes; Meteorology; Ocean; Physical geography; Ponds; Rain; Rivers; Snow; Springs; Steam; Swimming; Watersupply; Waterfalls; Waterspouts;

Refer from Beverages; Hydraulic engineering; Ice; Ocean; Physical geography; Physics; Snow; Water-supply.

Water-color painting. See also Painting.
Refer from Painting.

Water-cure. See Hydropathy.

Water-power. See Hydraulic engineering.

Water-supply. See also Aqueducts; Artesian wells; Canals; Fountains; Hydraulic engineering; Irrigation; Plumbing; Pumps; Reservoirs; Water; Wells.

Refer from Engineering; Hydraulic engineering; Reservoirs; Sanitary engineering; Water; Waterworks.

Water-wheels. See also Turbines.

Refer from Hydraulic engineering; Machinery; Motors; Turbines; Wheels.

Waterfalls

Refer from Cataracts; Falls; Physical geography; Water.

Waterspouts.

Refir from Meteorology; Physical geography; Water.

Waterworks. See Water-supply.

Waves. See also Electric waves.

Refer from Ocean; Physical geography; Water.

Wax.

Refer from Bees.

Wax flowers.

Refer from Artificial flowers; Flowers.

Wealth. See also Banks and banking; Business; Capital; Economics; Finance; Labor; Luxury; Money; Success.

Refer from Economics; Finance; Luxury; Money; Property; Riches.

Weapons. See Arms and armor; Firearms; Sword.

Weather. See also Climate; Meteorology; Storms; Winds.

Refer from Climate; Meteorology.

Weaving. See also Carpets; Lace; Textile fabrics.

Refer from Arts, useful; Carpets; Cotton; Textile fabrics.

Weddings. See Marriage.

Weeds.

Refer from Agricultural pests; Botany; Gardening.

Weights and measures. See also Arithmetic; Decimal system; Electric measure-

ment; Gaging; Gravitation; Mensuration; Metric system; Specific gravity; Units.

Refer from Cambistry; Decimal system; Gravitation; Measures; Mensuration; Metric system; Metrology; Science; Specific gravity; Standards; Units.

Wells. See also Artesian wells; Boring.

Refer from Artesian wells; Engineering;

Hydraulic engineering; Water-supply.

Werwolves.

Refer from Lycanthropy; Superstition.

Wesleyans. See Methodist episcopal church.

Wharves. See also Docks.

Refer from Docks; Harbors.

Wheat. See also Flour; Grain. Refer from Agriculture; Grain.

Wheeling. See Cycling.

Wheels. See also Carriages; Machinery; Turbines; Water-wheels.

Refer from Carriages; Machinery; Vehicles.

Whigs. See also England, Politics; U. S., Politics.

Refer from Parties.

Whipping. See Corporal punishment; Flog-ging.

Whirlwinds. See Storms.

Whist.

Refer from Cards; Games.

Widows. See also Wives.

Refer from Family; Wives; Woman.

Wife. See Wives.

Will. See also Ethics; Liberty of the will; Psychology.

Refer from Ethics; Liberty of the will; Philosophy; Psychology.

Wills. See also Administrators and executors; Guardians; Inheritance; Legacies.

Refer from Administrators and executors; Inheritance; Law; Probate; Property; Surrogate law.

Wind. See Winds.

Windmills.

Refer from Machinery; Motors.

Window-gardening. See also Floriculture. Refer from Floriculture; Flowers; Gardening; Windows.

Windows. See also Glass; Glass-painting; Window-gardening.

Refer from Architecture.

Winds. See also Meteorology; Storms.

Refer from Currents; Meteorology; Storms; Weather; Wind.

Wine. See also Alcohol; Grape; Liquors; Temperance.

Refer from Grape; Liquors; Temperance; Vine.

Wings. See also Flight.

Refer from Animal locomotion; Birds; Flight; Zoology.

Winter.

Refer from Seasons.

Wire. See also Cables; Electric wires.

Refer from Cables; Metals; Rope.

Wit and humor. See also Anecdotes; Caricature; Epigrams; Fools; Laughter; Parody: Satire; Table-talk.

Refer from Caricature; Comic literature; Facetiæ; Humor; Jests; Jokes; Laughter; Literature; Poetry; Satire.

Witchcraft. See also Charms; Demonology; Occult sciences; Superstition.

Refer from Black art; Charms; Church history; Conjuring; Delusions; Demonology; Exorcism; Magic; Necromancy; Occult sciences; Persecution; Sorcery; Spirits: Superstition.

Witnesses. See also Evidence.

Refer from Law; Trials.

Wives. See also Family; Husbands; Marriage; Mothers; Widows; Woman.

Refer from Family; Husbands; Marriage; Widows; Wife; Woman.

Woman. See also Actresses; Amazons;
Beauty, personal; Celibacy; Chastity;
Children; Convents; Costume; Deaconesses; Domestic economy; Etiquette;
Family; Fancy work; Girls; Home;
Love; Marriage; Mothers; Needlework;
Nuns; Nurses and nursing; Prostitution; Queens; Sex; Singers; Sisterhoods; Widows; Wives; Woman sufrage; Young women.

Refer from Anthropology; Biography; Emancipation; Ethics; Family; Female; Girls; Home; Labor; Ladies; Man; Marriage; Rights of women; Sociology; Wives; Young women.

Woman, *Diseases*. See also Hysteria; Medicine; and the references under that head.

Refer from Gynecology; Hygiene; Medicine; Medicine, practice of; Physiology.

Woman, Education.

Refer from Coeducation; Colleges and universities; Education.

Woman, Law. See also Divorce; Infanticide; Marriage; Prostitution; Woman suffrage.

Refer from Crime; Criminal law; Law. Woman suffrage.

Refer from Suffrage; Woman; Woman, Law.

Wood. See also Forestry; Timber; Trees. Refer from Building materials; Timber; Woods.

Wood-carving. See also Carving; Decoration and ornament; Furniture; Sloyd. Refer from Carving (wood, etc.); Decoration and ornament; Fret cutting; Furniture; Manual training; Sloyd;

Woodwork.
Wood-engraving.

Refer from Engraving; Woodcuts.

Woodcuts. See Wood-engraving.

Woods. See Forestry; Wood.

Woodwork. See also Cabinet work; Carpentry; Turning; Wood-carving.

Refer from Arts, useful; Carpentry; Manufactures; Turning.

Wool. See also Dyeing; Sheep; Textile fabrics; Worsted; Yarn.

Refer from Agriculture; Fibres; Sheep; Textile fabrics; Worsted; Yarn.

Words. *See also* Etymology; Grammar; Language; Pronunciation; Rhetoric; Spelling; Synonyms; *also* names of languages.

Refer from Etymology; Language.

Work. See Labor.

Workhouses. See Almshouses.

Working-classes. See Labor.

World. See Earth; Universe.

Worlds, plurality of. See Plurality of worlds.

World's fairs. See Exhibitions.

Worms. See also Parasites.

Refer from Invertebrates; Zoology.

Worship. See also Ancestor-worship; Animals, worship of; Church music; Devotional exercises; Fetishism; Fire-worshipers; Hymns; Idolatry; Litanies; Liturgies; Prayer; Prayers; Responsive worship; Rites and ceremonies; Ritualism; Sacraments; Sacrifice; Serpentworship; Totems; Tree-worship.

Refer from Church polity; Devotion; De-

votional exercises; Prayer; Religion; Religious services; Rites and ceremonies; Ritualism; Theology.

Worsted. See also Sheep; Textile fabrics; Wool; Yarn.

Refer from Textile fabrics; Wool; Yarn.

Wounds. See also Surgery.

Refer from Military surgery; Naval surgery; Surgery.

Wrecks. See Shipwrecks.

Writers. See Authors.

Writing. See also Abbreviations; Alphabet; Authorship; Cipher; Cuneiform writing; Hieroglyphics; Ink; Inscriptions; Letter-writing; Manuscripts; Paper; Penmanship; Rhetoric: Shorthand; Typewriting.

Refer from Alphabet; Books and reading; Diplomatics; Epigraphy; Inscriptions; Language; Manuscripts; Paleography; Penmanship; Shorthand.

Wrongs. See Torts.

X rays. Refer from Cathode rays; Electricity; Light; Photography; Roentgen rays.

Xylography. See Block-books.

Yachting. See also Boating; Navigation; Sailing.

Refer from Boating; Locomotion; Navigation; Sailing; Ship-building; Ships; Sports.

Yarn. See also Cotton; Flax; Hemp; Silk; Spinning; Textile fabrics; Wool; Worsted.

Refer from Spinning; Textile fabrics; Wool; Worsted.

Year. See also Calendar; Chronology;

Refer from Calendar; Chronology;

Year-books. See also Almanacs; Annuals; Calendars.

Refer from Almanacs; Annuals; Calendars; Registers; Statistics.

Yellow fever.

Refer from Contagion; Epidemics; Fever.

Young men. See also Boys; Conduct of life; Self-culture; Success; Young people.

Refer from Boys; Ethics; Young people. Young people. See also Boys; Children; Education; Girls; Young men; Young women.

Refer from Conduct of life; Education; Ethics; Young men; Young women.

Young women. See also Conduct of life; Girls; Self-culture; Woman; Young people.

Refer from Ethics; Girls; Woman; Young people.

Zodiac.

Refer from Astronomy; Stars.

Zodiacal light.

Refer from Astronomy; Light. Zoological gardens. See Menageries.

Zoological mythology. See Animals, legends and stories of; Animals, worship of.

Zoology. See also Alpine zoology; Anatomy; Animal electricity; Animal heat; Animal locomotion; Animal psychology; Animalcules; Apes; Aquarium; Batrachia; Biology; Birds; Cells; Color of animals; Crustacea; Domestic animals; Domestication; Embryology; Evolution; Fish; Game; Geographical distribution; Gorilla; Heredity; Insects; Instinct; Invertebrates; Mammals; Man; Marine zoology; Menageries; Microscope; Mollusks; Monkeys; Monsters; Natural history; Nests; Paleontology; Parasites; Phosphorescence; Physiology; Quadrupeds; Reptiles; Seal; Species; Taxidermy; Vertebrates; Wings; Worms.

Refer from Animal kingdom; Animals; Beasts; Biology; Brutes; Domestic animals; Fauna; Invertebrates; Mammals; Natural history; Quadrupeds; Science; Vertebrates.

APPENDIX

- A. Some hints on subject cataloging in dictionary style, by C. A. Cutter.
- B. Subheads under Countries and States.
- C. Subheads under Cities.
- D. Subheads under Bible.
- E. Subheads under Shakespeare.
- F. Subheads under Languages.
- G. Country and language divisions of the forms of Literature.



A.

SOME HINTS ON SUBJECT CATALOGING IN DICTIONARY STYLE.

BY C. A. CUTTER.

EVERY book should be entered under the word that most closely expresses its main subject. This designation should be as exact as possible, neither too restricted, for then part of the book's contents will be wasted, nor too general, because it is not the purpose to make a classed catalog.

Do not enter under the specific subject and under the including class also. This will only make of the dictionary catalog an incomplete and unsatisfactory classed catalog. [Cutter's Rules, \$ 93.]

If a book has two, three, or more subjects it must be put under as many headings. But before making more than one entry one should always consider whether there is not some word that includes all of them; if there is, that word is the proper heading. Thus instead of putting "Gesture and expression; suggestions for speakers" under both Expression and Gesture it should be entered under Elocution. Green's "Plants and animals" should not be entered under both Botany and Zoology but under Natural history. Sometimes only part of the subjects can be thus combined. In such cases the others must receive their individual entry. [Cutter's Rules, §§ 109, 110.]

Some books are polytopical which do not appear to be so at first glance. "Travels in Armenia and China" every one would put under each country; "Plato's doctrine of painting," by Sartorius, has equally two subjects, Plato and Painting, and should be entered under each. [Cutter's Rules, §§ 109, 110.]

If two subjects are frequently conjoined in books so that the same titles would appear under both headings, a saving may be made when one comes to print, by substituting a reference in one of the places. Many books, for example, treat of the United States and Canada. A Canadian library would put all of these under Canada, a United States library under United States, with a general reference under the other heading. But in a card catalog, where it is irksome to turn from one part to another, one ventures on such saving much less often.

Not infrequently it is worth while to enter under a separate heading a subject which fills only a volume, a chapter, or an appendix. But the cataloger must be careful not to push this analytical work too far. He is not making an index but a catalog. A library with few books needs to bring out its hidden treasures in this way more than one which has whole works on the various subjects. But it must

APPENDIX

be remembered that a reference in Mr. Fletcher's "A. L. A. index" will often serve about as well as an entry in one's own catalog, just as Poole's "Index to periodical literature" makes it wrong to write analyticals for any of the magazines indexed therein. [Cutter's Rules, §§ 125–128.]

Do not, at first, make very minute subdivisions under countries, but as the number of titles increases break them up more and more into groups. Other comprehensive subjects, such as Law, Philosophy, Religion, may have subdivisions if made necessary by a large number of cards. The subheads appropriate under every subject are Bibliography, Dictionaries, History, Periodicals. [Cutter's Rules, \$ 255, last three paragraphs of fine print. See also Appendixes B-F.]

It will not do to trust the title-page alone in assigning subject headings. Titles are often misfeading. Examine the table of contents and turn over the pages; in many cases one must read a part of the work before one knows just what its subject is.

For fuller discussion see Cutter's Rules for a dictionary catalog, third edition, pages 45-59.

В

COUNTRIES AND STATES.

I. A SHORTER SCHEME OF SUBHEADS.

BASED ON THE 1893 REPORT OF THE COMMITTEE ON AN INDEX TO SUBJECT HEADINGS, LIBRARY JOURNAL, 18:C80.

Publications of the Government.

These may be arranged before books about the country, as in the fuller scheme below, or the different departments, etc., may be arranged in the same alphabet as the subjects.

Example:

Education.

Education bureau.

Finance.

Geological survey.

Geology.

A full list of departments, bureaus, etc., of the United States government is given at the end of the Catalog of the public documents of the 53d Congress, Washington, 1896.

Works about a Country or State.

General and miscellaneous. [This heading need not be written on the cards.]

*Agriculture.

Antiquities.

Army and navy [under states use Militia]. Bibliography.

Biography.

Church history.

Colonies.

Commerce and industries.

Constitution.

Description and travel.

Directories.

*Education.

Finance.

*Fine arts.

Foreign relations, Treaties.

*Geology [including physical geography and paleontology].

*Heraldry.

History [subdivided by periods when necessary].

Laboring classes.

Law.

Literature. See adjective form of literature name; i.e. (under France) See French literature. [Consult Appendix G.]

Manners and customs.

*Natural history.

^{*}Many catalogers prefer to enter books on an art or science under the art or science, subdivided by country if necessary.

COUNTRIES AND STATES

Politics and government.

Religion.

Statistics.

Surveys.

If a book cannot properly be entered un-

der either of the above subheads the proper heading may be selected from the fuller scheme given below. Small libraries are advised not to multiply subdivisions until needed, as too many subheads are confusing.

2. A FULLER SCHEME OF SUBHEADS.

AS USED IN THE CARD CATALOG OF THE BOSTON PUBLIC LIBRARY.

[Printed by permission of the library.]

ī.

Publications of the Government in its Different Departments.

Constitution.

Constitution, works about.

Executive government (as President, Governor, etc.).

Legislative government (as Congress, General court, Assembly, etc., with divisions: Acts, laws; Journals; Reports;

Ministers or departments (arranged alphabetically).

Works about a Country or State.

Agriculture.

Annexations.

Antiquities.

Architecture. See Fine arts.

Archives.

Army and navy.

Asylums. See Hospitals.

Banks.

Bibliography. See also Literature, division

Biography and genealogy.

Botany.

Boundaries.

Business associations.

Canals. See Railroads.

Capital and capitol.

Census.

Charities.

Chronology.

Civil and political institutions, etc. See Political history and affairs.

Civil service.

Civilization.

Climate. See Meteorology.

Coats of arms and seals.

Coinage. See Numismatics.

Commerce.

Conchology. See Malacology.

Conventions and public meetings.

Costume.

Crime. See Prisons.

Customs. See Manners and customs.

Description, travel. See Geography.

Dialects. See Language.

Dictionaries. See Language.

Directories (including registers of public officials).

Drama (including stage).

Ecclesiastical history. See History, relig-

Ecclesiastical institutions. See Religious institutions.

Education.

Emigration and immigration.

Entomology.

Epidemics.

Ethnology.

Exhibitions of industry and art.

Currency question.

Fine arts.

General works. Painting.

Architecture. Sculpture.

Music.

Fisheries.

Folk-lore.

Folk-songs.

Foreign relations.

Treaties.

Forestry.

Fortifications.

Galleries and museums.

Gazetteers. See Geography.

APPENDIX

Genealogy. See Biography.

| Libraries.

Literary and scientific institutions. Geodesv. Geography, description and travel. Literature. Maps. General works. General works. See also Bibliography. Gazetteers. Views. Guide books. Collections. Geology, physical geography and paleontol-Criticism. History. Grammar. See Language. Poetry. Poetry, collections. Harbors. Malacology. Health resorts. Heraldic and social distinctions. Manners and customs. Herpetology. History. Medicine (including diseases). General works. Meteorology and climatology. Bibliography. Military history. See History, military; for states, see also Militia. By reigns, administrations, etc. Comprehensive works. Militia. (For states.) Early periods. Mineralogy. Historical fiction. Mines and mining. Local history. Missions. Military history. See also Militia Music. See Fine arts. (under states). Mythology. Naval history. Natural history. Personal narratives (in histories of the Naval history. See History, naval. American civil war). Navy. See Army and navy. Political history. See Political history Newspapers. (below). Numismatics. Religious and ecclesiastical history. Ornithology. Painting. See Fine arts. Hospitals and asylums. Ichthyology. Paleontology. See Geology. Immigration. See Emigration. Patents. Indians. (For states.) Periodicals. Indians of the U.S. See Indians of Philosophy. America. Physical geography. See Geology. Internal improvements. See Public works. Poetry. See Literature. Internal revenue. See Revenue. Jurisprudence. Political economy. Laboring classes. Political history and affairs. Land question. Pomology. Language. Poor, the. General works. Population. See also Census. Conversation and phrase books. Printing. Dialects. Prisons (including Crime). Dictionaries. Public lands. Grammar. Public works. General works. Railroads, canals, etc. Pronunciation. Reading books. See Language. Prosody. Reformatory institutions. See Prisons. Syntax. Registers of public officials. See Directories. Reading books. Religious and ecclesiastical institutions. Rhymes. Revenue. Spelling. Revenue, internal. Works in the language. Revenue, surplus.

CITIES

Rhymes. See Language.

Rivers. Roads.

Sanitary affairs.

Scientific institutions. See Literary and sci-

entific institutions.

Sculpture. See Fine arts.

Slavery question. Social science.

Sports and sporting.

Surplus. See Revenue.

Surveys. Tariff. Taxation.

Towns.

Travel. See Geography.

Treaties. See Foreign relations.

Water power. Water supply.

Weights and measures.

Zoology.

CITIES.

1. A SHORTER SCHEME OF SUBHEADS.

BASED ON THE 1893 REPORT OF THE COMMITTEE ON AN INDEX TO SUBJECT HEADINGS, LIBRARY JOURNAL, 18:C80.

Publications of a City.

These may be arranged before books about the city as in the fuller scheme below, or the different departments may be arranged in the same alphabet as the subjects.

Example:

Finance.

Fire department. Health board.

History.

Manners and customs.

Mayor.

Works about a City.

General and miscellaneous. [This heading need not be written on the cards.]

Antiquities.

Bibliography.

Charitable institutions.

Churches and religious institutions.

Description.

Directories.

Education.

Finance.

Fine arts.

History.

Manners and customs.

Politics and government.

Public works.

2. A FULLER SCHEME OF SUBHEADS.

AS USED IN THE CARD CATALOG OF THE BOSTON PUBLIC LIBRARY.

[Printed by permission of the library.]

There are two divisions and two alphabets in the card catalog under Cities:

I. The publications of a city, arranged alphabetically by the names of the departments. 2. Books, etc., about a city, arranged alphabetically by subjects, as Antiquities, Description, History, Parks.

I.

Charters. Mayor.

City council.

Board of aldermen.

Common council.

Departments, arranged alphabetically, and varying with each city.

APPENDIX

2.

Annexations.

Antiquities.

Banks.

Benevolent institutions. See Charitable institutions.

Bibliography.

Biography and genealogy.

Botany.

Boundaries.

Bridges.

Business associations, etc.

Cemeteries.

Census.

Centennial celebrations, etc.

Charitable institutions and affairs.

Churches. See also Religious institutions.

Clubs.

Commerce. See Business.

Commercial institutions. See Business associations.

Conventions and public meetings.

Courts.

Custom-house.

Description, topography, etc.

General works.

Guide books.

Manners and customs.

Maps.

Views.

Directories (including Registers of public officials).

Ecclesiastical institutions. See Churches; Religious institutions.

Education.

(General works on the educational institutions and advantages of a city. Official publications, as those by the School committee, etc., are placed in division one, Departments — Public schools, and School committee.)

Elections.

Epidemics.

Exhibitions of industry and art.

Fairs.

Ferries.

Finance.

Financial institutions. See Banks; Business associations.

Fine arts.

Fires.

Fortifications.

Fourth of July celebrations and orations.

Galleries, museums, etc.

Genealogy. See Biography.

Geology.

Guide books. See Description, division
Guide books.

Guilds.

Harbor

History.

Hospitals.

Hotels, taverns, etc.

Labor and laboring classes.

Libraries.

(Works about the libraries of a city. Libraries belonging to a city are included in the first division, as a department of the city.)

Literary and scientific institutions, etc.

Manners and customs. See Description.

Manufactures

Maps. See Description.

Markets.

Monuments.

Museums. See Galleries.

Musical organizations. (To be found under their corporate names, as Apollo club.)

Parks.

Paving. See Streets.

Police

Political organizations and affairs.

Poor, the.

Post-office.

Printing.

Prisons and reformatory institutions.

Public buildings.

Public meetings. Sce Conventions.

Public schools. See references under Edu-

Railroads.

Registers of public officials. See Directories.

Religious institutions and affairs.

Riots.

Sanitary affairs.

Schools. See Education.

Scientific institutions. See Literary institutions.

Sewerage.

Statistics.

Streets.

Suits at law, plaintiff or defendant.

Taxation.

Theatres.

Topography. See Description.

Views. See Description.

BIBLE

Vital statistics. See Statistics. Voters. Voting precincts. Wards.

Water supply.
Wharves.
Miscellaneous.

Miscellaneou

D.

BIBLE.

1. A SHORTER SCHEME OF SUBHEADS.

Whole Bible.

Text of the whole Bible.

Works about the whole Bible.

General and miscellaneous. [This heading need not be written on the cards.] Concordances.

Dictionaries.

Old Testament.

Text.

Works about the Old Testament.
Collections of books, such as

Pentateuch,

Historical books, etc.

Single books [arranged in the same order as in the Bible. Works about a book follow its text].

Apocrypha.

New Testament.

Text

Works about the New Testament.

Collections of books, such as

Gospels,

Epistles, etc.

Single books [arranged in the same order as in the Bible. Works about a book follow its text].

Apocryphal New Testament.

2. A FULLER SCHEME OF SUBHEADS.

[Printed, with additions, by permission of the New York State Library School.]

Whole Bible.

Bible treated as an author, i. e., original text.

Polyglots.

English, with and without commentaries, chronologically arranged.

In other languages, alphabetically as to names of languages.

Selections.

Bible treated as a subject, *i. e.*, works *about* the Bible.

Antiquities.

Bibliography and literary history.

Biography.

Canon.

Chronology.

Commentaries without text.

Concordances.

Criticism, interpretation, etc.

Dictionaries.

Evidences, authority, etc.

Geography.

Hermeneutics. See Criticism, interpre-

tation, etc.

History of biblical events.

Illustrative works. See Miscellaneous.

Inspiration.

Introductions.

Language, style.

Paraphrases.

Questions. See Sunday School question

books (under Sunday).

Revision.

Science.

Miscellaneous.

Old Testament.

Text.

Works about the Old Testament.

Collections of books, such as

Octateuch.

Pentateuch, etc.

APPENDIX

Single books. [Arrange text of each book | alphabetically by language. Works about a book follow its text.]

Genesis. Song of Solomon. Exodus. Leviticus. Ieremiah. Numbers. Deuteronomy. Ezekiel. Daniel. Joshua. Hosea. Judges. Ruth. Toel. Samuel, I, 2. Amos. Obadiah. Kings, 1, 2. Chronicles, 1, 2, Jonah. Ezra. Micah. Nahum. Nehemiah. Esther. Habakkuk. Job. Zephaniah. Psalms. Haggai.

Proverbs. Ecclesiastes.

Apocrypha: collections of books.

Single books.

Esdras. Ecclesiasticus. Tobit. Baruch.

Judith. Song of the three Wisdom of Solochildren. mon. Susanna.

Zechariah.

Malachi.

Prayer of Manasses. Maccabees, 1,2,3,4. Other Apocryphal books in alphabetic order, as: Adam, Enoch, Jasher.

New Testament.

Text.

Works about the New Testament. Collections of books, such as:

Gospels,

[See note under O. T.] Single books. Matthew. Thessalonians, 1, 2. Timothy, 1, 2.

Mark. Luke. Acts. Romans.

Titus. Philemon. Hebrews. Corinthians, 1, 2.

Peter, 1, 2.

Galatians. John, I, 2, 3. Philippians. Revelation.

Apocryphal New Testament.

Collections. Single books.

E.

SHAKESPEARE.

1. A SHORTER SCHEME OF SUBHEADS.

Shakespeare's Works.

Collected works. Poetic works.

Selections.

Ouotations.

Single plays. [Arrange alphabetically by title, with illustrative works following each.]

Single poems. [Arrange alphabetically, etc.]

Works about Shakespeare.

General and miscellaneous. [This heading need not be written on the cards.]

Authorship. Bibliography. Concordances.

Dictionaries.

LANGUAGES

2. A FULLER SCHEME OF SUBHEADS.

[Prepared for the New York State Library School, by Edith Davenport Fuller.]

Shakespeare's Works.

Collected works and collected plays. [Arrange chronologically by imprint.]

Single plays. [Arrange plays alphabetically by title, with their illustrative works following each. Editions of each play are arranged chronologically by imprint, followed by their illustrative works arranged alphabetically by author.]

Poetic works. [Arrange chronologically by imprint, with criticisms, etc., following.] Single poems. [See note under Single plays.] Selections. [Arrange alphabetically by com-

piler.] Quotations.

Shakespeare's will.

Spurious and doubtful works.

Translations. [These are better arranged with the English editions. If by themselves they will come after Spurious and doubtful works.]

Works about Shakespeare.

Authorship.
Bibliography

Biography and general criticism.

[Biography includes Portraits, and various personal questions as Autograph, House, Name, etc. Criticism includes Commentaries without text. The criticism on a single play follows its text.]

Celebrations.

Characters.

Chronology.

Commentaries. See Biography.

Concordances.

Cyclopedias. See Dictionaries.

Dictionaries.

Forgeries.

Indexes. See Concordances.

Language, pronunciation and versification.

Shakespeare-Bacon controversy. See Authorship.

Sources, Stories, Imitations, etc.

Textual criticism.

General. [The textual criticism of a single play follows its text.]

Periodicals

Societies.

Miscellaneous.

Titles, etc., beginning with the word Shake-speare.

F.

LANGUAGES.

1. A SHORTER SCHEME OF SUBHEADS.

General and miscellaneous. [This heading need not be written on the cards.]

Dialects.

Dictionaries.

Etymology [meaning derivation].

Grammar.

History.

Pronunciation.

Prosody.

Readers.

Spelling.

C

Synonyms.

2. A FULLER SCHEME OF SUBHEADS.

General and miscellaneous. [This heading need not be written on the cards.]

Accents.

Alphabet.

Bibliography. Composition.

Conversation and phrase books.

Dialects.

APPENDIX

Dictionaries.

Etymology [meaning derivation].

Grammar.

History.

Metre. See Prosody.

Orthography. See Spelling.

Periodicals.

Pronunciation.

Prosody.

Readers.

Rhymes.

Spelling.

Study and teaching.

Synonyms.

Syntax. See Grammar.

G.

COUNTRY AND LANGUAGE DIVISIONS OF THE FORMS OF LITERATURE.

For these the adjective form of the country or language name may be used: <u>French literature</u> and French poetry, not France, *Literature*, and France, *Poetry*.

The following are the principal forms of literature which may be placed under the local adjective prefix:

Ballads. Drama. Orations.
Parodies.

Essays.

Periodicals.
Poetry.

Fiction.
Language.
Letters.

Satire.
Songs.
Sonnets.

Literature. Newspapers.

Wit and humor.

Other forms of literature should be kept together under the form heading instead of

being scattered through the alphabet under the country adjective. Such are:

Allegories.

Hymns.
Inscriptions.

Anecdotes. Dialogues.

Legends.
Maxims.

Emblems.
Epigrams.
Epitaphs.

Mottoes.
Proverbs.
Quotations.

Fairy tales.
Folk-lore.

Fables.

Riddles. Sermons.

The smaller libraries may prefer to enter English ballads, drama, etc., with the general works under the headings Ballads, Drama, etc.

[Modified from the Report of the Committee on an index to subject headings, Chicago, 1893 (Library journal, 18:C8o)].







